AutoCAD FAQs : 82 questions with answers!

Description

As a powerful tool, AutoCAD offers a plethora of features and commands that can sometimes be overwhelming, especially for beginners. Even experienced users often find themselves seeking answers to specific questions to make the most out of this robust software. This article, â€œFAQs: Top AutoCAD 82 Questions with Answersâ€•, aims to provide clear and concise answers to some of the most frequently asked questions about AutoCAD. Whether youâ€™re a novice trying to find your way around or a seasoned professional looking for a quick refresher, this comprehensive guide is designed to assist you in your AutoCAD journey.

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FAQ: Top AutoCAD 82 questions with answers

1. How to insert north arrow in AutoCAD Civil 3D?

To insert a north arrow in AutoCAD Civil 3D, you can use the â€œNorth Arrowâ€• tool located in the â€œAnnotateâ€• tab. Click on the â€œNorth Arrowâ€• button, select the style you want, and then click on the location in your drawing where you want to place the north arrow.

2. How to draw double headed arrow in AutoCAD?

To draw a double-headed arrow in AutoCAD, you can use the â€œMultileaderâ€• tool. Click on the â€œMultileaderâ€• button, then click on the start point and end point for your arrow. In the â€œMultileader Style Managerâ€•, you can customize the arrowheads to be double-headed.

3. How to change rim elevation in AutoCAD?

Changing rim elevation in AutoCAD involves modifying the properties of the object representing the rim. Select the object, open the properties palette (CTRL+1), and then change the elevation property to the desired value.

4. How to make my paper space black in AutoCAD?

To change the paper space to black in AutoCAD, go to the â€œOptionsâ€• dialog box (type OPTIONS in the command line), then to the â€œDisplayâ€• tab. Under â€œWindow Elementsâ€•, click on â€œColorsâ€•. In the â€œDrawing Window Colorsâ€• dialog box, set â€œLayoutâ€• to â€œBlackâ€•.

5. How do I get the command line next to the cursor in AutoCAD?

To get the command line next to the cursor in AutoCAD, you can use the dynamic input feature. Go to the status bar and click on the â€œDynamic Inputâ€• button to enable it. This will show the command line next to the cursor.

6. How to access block library in AutoCAD?

To access the block library in AutoCAD, use the â€œInsertâ€• command or press CTRL+2 to open the â€œBlockâ€• palette. Here you can see all the blocks that are currently in your drawing, and you can also browse for other block libraries on your computer.

7. How to align objects vertically in AutoCAD?

To align objects vertically in AutoCAD, use the â€œAlignâ€• command. Select the objects you want to align, then specify the source point and the destination point. For vertical alignment, make sure the source and destination points have the same X-coordinate.

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8. How to block AutoCAD from connecting to the internet?

To block AutoCAD from connecting to the internet, you can use your computerâ€™s firewall settings. Go to the firewall settings, find the list of programs that are allowed to access the internet, and remove AutoCAD from that list.

9. How to bold text in AutoCAD?

To bold text in AutoCAD, select the text and open the properties palette (CTRL+1). In the â€œTextâ€• section, find the â€œStyleâ€• property and click on the â€œâ€¦â€• button. In the â€œText Styleâ€• dialog box, check the â€œBoldâ€• option.

10. How to calculate scale factor in AutoCAD?

To calculate the scale factor in AutoCAD, divide the real-world distance by the drawing distance. For example, if 1 inch in your drawing represents 10 feet in the real world, the scale factor is 10/1 = 10.

11. How to calculate weight in AutoCAD 3D?

To calculate weight in AutoCAD 3D, you need to know the volume of the object and the materialâ€™s density. Use the â€œMass Propertiesâ€• tool to find the volume, then multiply it by the density to get the weight.

12. How to change from wireframe to solid in AutoCAD?

To change from wireframe to solid in AutoCAD, go to the â€œViewâ€• tab, then to the â€œVisual Stylesâ€• panel. Click on the â€œVisual Stylesâ€• button and select â€œRealisticâ€• or â€œShadedâ€• from the drop-down menu.

13. How to change line to dashed line in AutoCAD?

To change a line to a dashed line in AutoCAD, select the line and open the properties palette (CTRL+1). In the â€œLinetypeâ€• section, click on the â€œâ€¦â€• button and select â€œDashedâ€• from the list of linetypes.

14. How to change offset settings in AutoCAD?

To change offset settings in AutoCAD, use the â€œOffsetâ€• command. After starting the command, you can specify the offset distance in the command line. You can also change the default offset distance in the â€œDrafting Settingsâ€• dialog box.

15. How to change text color in AutoCAD?

To change text color in AutoCAD, select the text and open the properties palette (CTRL+1). In the â€œTextâ€• section, find the â€œColorâ€• property and click on the color swatch to choose a new color.

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16. How to change trim settings in AutoCAD?

To change trim settings in AutoCAD, use the â€œTrimâ€• command. After starting the command, you can choose whether to trim to the nearest intersection or to select a cutting edge. You can also change the default trim settings in the â€œDrafting Settingsâ€• dialog box.

17. How to change viewport background color in AutoCAD?

To change the viewport background color in AutoCAD, go to the â€œOptionsâ€• dialog box (type OPTIONS in the command line), then to the â€œDisplayâ€• tab. Under â€œWindow Elementsâ€•, click on â€œColorsâ€•. In the â€œDrawing Window Colorsâ€• dialog box, set â€œViewportâ€• to the desired color.

18. How to change viewport size in AutoCAD?

To change the viewport size in AutoCAD, select the viewport and use the grips to resize it. You can also change the viewport size by changing the properties of the viewport in the properties palette (CTRL+1).

19. How to convert polyline to line in AutoCAD?

To convert a polyline to a line in AutoCAD, use the â€œExplodeâ€• command. Select the polyline and then use the â€œExplodeâ€• command to break it into individual line segments.

20. How to convert proxy objects in AutoCAD?

To convert proxy objects in AutoCAD, use the â€œAecConvertTo3dSolidsâ€• command. This will convert AEC objects (like walls and doors) that are represented as proxy objects into 3D solids that can be edited in AutoCAD.

21. How to create a viewport in AutoCAD Civil 3D?

To create a viewport in AutoCAD Civil 3D, go to the â€œLayoutâ€• tab, then to the â€œLayout Viewportsâ€• panel. Click on the â€œRectangleâ€• button and then click and drag in your layout to create the viewport.

22. How to create a viewport in AutoCAD?

To create a viewport in AutoCAD, go to the â€œLayoutâ€• tab, then to the â€œLayout Viewportsâ€• panel. Click on the â€œRectangleâ€• button and then click and drag in your layout to create the viewport.

23. How to create parcels in AutoCAD Civil 3D?

To create parcels in AutoCAD Civil 3D, use the â€œCreate Parcelâ€• tool located in the â€œHomeâ€• tab under the â€œParcelsâ€• panel. Click on the â€œCreate Parcelâ€• button, then click on the points in your drawing to define the parcel boundaries.

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24. How to crop OLE object in AutoCAD?

To crop an OLE object in AutoCAD, you need to use a clipping boundary. Select the OLE object, then use the â€œClipâ€• command and specify the points for the clipping boundary. The OLE object will be cropped to the area inside the boundary.

25. How to dimension degrees in AutoCAD?

To dimension degrees in AutoCAD, use the â€œAngularâ€• dimension tool. Click on the â€œAngularâ€• button, then click on the two lines you want to measure the angle between. The angle in degrees will be displayed as a dimension.

26. How to display dotted line in AutoCAD?

To display a dotted line in AutoCAD, select the line and open the properties palette (CTRL+1). In the â€œLinetypeâ€• section, click on the â€œâ€¦â€• button and select â€œDottedâ€• from the list of linetypes. If the â€œDottedâ€• linetype is not available, you may need to load it using the â€œLinetype Managerâ€•.

27. How to display x y z coordinates in AutoCAD?

To display x y z coordinates in AutoCAD, you can use the â€œIDâ€• command. Type â€œIDâ€• in the command line, then click on a point in your drawing. The x, y, and z coordinates of the point will be displayed in the command line.

28. How to do a detail view in AutoCAD?

To create a detail view in AutoCAD, go to the â€œLayoutâ€• tab, then to the â€œDetailâ€• panel. Click on the â€œDetailâ€• button, then click and drag in your layout to define the detail view boundary. A detail view of the area inside the boundary will be created.

29. How to do bearings in AutoCAD?

To draw lines with specific bearings in AutoCAD, you can use the â€œLineâ€• command with polar coordinates. For example, to draw a line with a bearing of N30Â°E, you would type â€œLINEâ€•, click on the start point, then type â€œ@100<30â€• in the command line.

30. How to draw warehouse layout in AutoCAD?

Drawing a warehouse layout in AutoCAD involves creating a floor plan with dimensions, adding doors and windows, and placing warehouse equipment like shelves and forklifts. You can use the â€œRectangleâ€•, â€œLineâ€•, â€œDoorâ€•, â€œWindowâ€•, and â€œBlockâ€• tools to create these elements.

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31. How to exit xref editing?

To exit xref editing in AutoCAD, use the â€œRefcloseâ€• command. Type â€œRefcloseâ€• in the command line and press Enter. This will close the xref and return you to your main drawing.

32. How to export XML file in AutoCAD?

To export an XML file in AutoCAD, use the â€œExportâ€• command. Go to the â€œFileâ€• menu, then to â€œExportâ€•, and choose â€œOther Formatsâ€•. In the â€œSave as typeâ€• drop-down menu, select â€œXMLâ€•. Specify the file name and location, then click â€œSaveâ€•.

33. How to fill a polyline in AutoCAD?

To fill a polyline in AutoCAD, you can use the â€œHatchâ€• command. Select the polyline, then type â€œHatchâ€• in the command line and press Enter. In the â€œHatchâ€• dialog box, choose the fill pattern and color, then click â€œOKâ€•.

34. How to fill objects with color in AutoCAD?

To fill objects with color in AutoCAD, you can use the â€œHatchâ€• command. Select the object, then type â€œHatchâ€• in the command line and press Enter. In the â€œHatchâ€• dialog box, choose the fill color, then click â€œOKâ€•.

35. How to find insertion point in AutoCAD?

To find the insertion point of a block in AutoCAD, select the block and open the properties palette (CTRL+1). The insertion point coordinates are listed under the â€œGeometryâ€• section.

36. How to find the 0 0 point in AutoCAD?

To find the 0 0 point (also known as the origin) in AutoCAD, you can use the â€œIDâ€• command. Type â€œIDâ€• in the command line, then type â€œ0,0â€• and press Enter. The origin will be highlighted in your drawing.

37. How to fix lines are not coplanar in AutoCAD?

To fix the â€œlines are not coplanarâ€• error in AutoCAD, you can use the â€œFlattenâ€• command. This will move all the lines to the same plane. Type â€œFlattenâ€• in the command line, select the lines, and press Enter.

38. How to get drop down menu in AutoCAD?

To display the drop-down menu in AutoCAD, right-click on the blank area in the toolbar area. From the context menu, select â€œShow Menu Barâ€•. The drop-down menu will be displayed at the top of the AutoCAD window.

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39. How to get section modulus in AutoCAD?

To get the section modulus in AutoCAD, you can use the â€œMass Propertiesâ€• tool. This will give you the area and the moment of inertia of a shape. The section modulus is the moment of inertia divided by the distance from the neutral axis to the outermost point of the shape.

40. How to import obj file in AutoCAD?

To import an obj file in AutoCAD, use the â€œImportâ€• command. Go to the â€œFileâ€• menu, then to â€œImportâ€•, and choose â€œOBJâ€•. Navigate to the location of the obj file, select it, and click â€œOpenâ€•.

41. How to insert drawing in title block AutoCAD?

To insert a drawing in a title block in AutoCAD, use the â€œInsertâ€• command. Go to the â€œInsertâ€• tab, click on the â€œInsertâ€• button, and browse for the drawing file. Specify the insertion point, scale, and rotation, then click â€œOKâ€•.

42. How to label northing and easting in AutoCAD Civil 3D?

To label northing and easting in AutoCAD Civil 3D, use the â€œAdd Labelsâ€• tool. Go to the â€œAnnotateâ€• tab, then to the â€œAdd Labelsâ€• panel. Choose â€œPointâ€• from the drop-down menu, then â€œNorthing/Eastingâ€•. Click on the points you want to label.

43. How to load a ctb file in AutoCAD?

To load a ctb file in AutoCAD, go to the â€œPage Setupâ€• dialog box. Under â€œPlot style tableâ€•, click on the â€œâ€¦â€• button. In the â€œPlot Style Tableâ€• dialog box, click on â€œAddâ€•, then browse for the ctb file and click â€œOpenâ€•.

44. How to load lisp in AutoCAD LT?

Unfortunately, AutoCAD LT does not support LISP routines. You would need the full version of AutoCAD to load and run LISP routines.

45. How to load scr file in AutoCAD?

To load a scr file in AutoCAD, use the â€œScriptâ€• command. Type â€œScriptâ€• in the command line, then browse for the scr file and click â€œOpenâ€•. The commands in the scr file will be executed.

46. How to make viewport border invisible in AutoCAD?

To make a viewport border invisible in AutoCAD, select the viewport and open the properties palette (CTRL+1). In the â€œMiscâ€• section, find the â€œDisplay Lockedâ€• property and set it to â€œYesâ€•. This will lock the viewport and make the border invisible.

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47. How to multiply in AutoCAD table?

To multiply in an AutoCAD table, you can use the â€œData Extractionâ€• tool. Extract the data from the table to an Excel file, perform the multiplication in Excel, then update the table in AutoCAD with the new data.

48. How to do nesting in AutoCAD?

Nesting in AutoCAD involves arranging objects to minimize waste when cutting them out of a material. This can be done manually by moving and rotating the objects, or automatically using a nesting software that is compatible with AutoCAD.

49. How to open multiple AutoCAD files in one window?

To open multiple AutoCAD files in one window, use the â€œOpenâ€• command. Go to the â€œFileâ€• menu, then to â€œOpenâ€•. In the â€œSelect Fileâ€• dialog box, hold down the CTRL key and click on the files you want to open. Then click â€œOpenâ€•.

50. How to open rcp file in AutoCAD?

To open an rcp file in AutoCAD, use the â€œAttachâ€• command. Go to the â€œInsertâ€• tab, then to the â€œPoint Cloudâ€• panel. Click on the â€œAttachâ€• button, browse for the rcp file, and click â€œOpenâ€•.

51. How to open toolspace in AutoCAD?

To open the ToolSpace in AutoCAD, go to the â€œHomeâ€• tab and click on the â€œToolSpaceâ€• button in the â€œPalettesâ€• panel. If you donâ€™t see the â€œToolSpaceâ€• button, you can also type â€œToolSpaceâ€• in the command line and press Enter.

52. How to print color in AutoCAD?

To print in color in AutoCAD, go to the â€œPlotâ€• dialog box (type PLOT in the command line). Under â€œPlot style tableâ€•, select a plot style that has color. Under â€œPlot optionsâ€•, check the â€œPlot with plot stylesâ€• option. Then click â€œOKâ€• to print.

53. How to put one layer over another in AutoCAD?

In AutoCAD, the order of layers in the drawing does not determine the order in which they are displayed. Instead, the order of objects is determined by the â€œDraw Orderâ€• command. To put one layer over another, select the objects on the layer and use the â€œDraw Orderâ€• command to move them to front.

54. How to put square in AutoCAD?

To draw a square in AutoCAD, use the â€œRectangleâ€• command. Type â€œRectangleâ€• in the command line, click on the start point, then type @length,length (for example, @50,50) and press Enter. This will create a square with the specified length.

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55. How to put tick mark in AutoCAD?

To put a tick mark in AutoCAD, you can use the â€œMultileaderâ€• tool. Click on the â€œMultileaderâ€• button, then click on the start point and end point for your tick mark. In the â€œMultileader Style Managerâ€•, you can customize the arrowhead to be a tick mark.

56. How to reduce opacity in AutoCAD?

To reduce the opacity of an object in AutoCAD, select the object and open the properties palette (CTRL+1). In the â€œGeneralâ€• section, find the â€œTransparencyâ€• property and adjust it to the desired level.

57. How to rotate a viewport in AutoCAD Civil 3D?

To rotate a viewport in AutoCAD Civil 3D, select the viewport and use the â€œRotateâ€• command. Type â€œRotateâ€• in the command line, then specify the base point and the rotation angle.

58. How to scale 1D in AutoCAD?

To scale in one dimension in AutoCAD, use the â€œScaleâ€• command with the â€œReferenceâ€• option. Type â€œScaleâ€• in the command line, select the objects, then type â€œRâ€• for â€œReferenceâ€•. Specify the base point, the reference length, and the new length.

59. How to scale in paper space AutoCAD?

To scale in paper space in AutoCAD, you need to adjust the scale of the viewport. Select the viewport, then go to the properties palette (CTRL+1). In the â€œStandard Scaleâ€• property, select the scale you

want from the drop-down list.

60. How to select rectangle in AutoCAD?

To select a rectangle in AutoCAD, use the â€œSelectâ€• command. Type â€œSelectâ€• in the command line, then click on the rectangle. If the rectangle is made of individual lines, you may need to hold down the SHIFT key and click on each line to select the entire rectangle.

61. How to separate block in AutoCAD?

To separate a block in AutoCAD, use the â€œExplodeâ€• command. Select the block and type â€œExplodeâ€• in the command line, then press Enter. The block will be separated into its individual components.

62. How to set x y axis in AutoCAD?

To set the x and y axes in AutoCAD, use the â€œUCSâ€• command. Type â€œUCSâ€• in the command line, then specify the origin and the direction of the x and y axes.

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63. How to show command list in AutoCAD?

To show the command list in AutoCAD, use the â€œCommand Lineâ€• window. If the â€œCommand Lineâ€• window is not visible, go to the â€œViewâ€• tab, then to the â€œPalettesâ€• panel, and click on the â€œCommand Lineâ€• button.

64. How to specify insertion point in AutoCAD?

To specify the insertion point of a block in AutoCAD, use the â€œInsertâ€• command. Go to the â€œInsertâ€• tab, click on the â€œInsertâ€• button, and browse for the block file. In the â€œInsertâ€• dialog box, specify the insertion point, scale, and rotation, then click â€œOKâ€•.

65. How to turn off all layers in AutoCAD?

To turn off all layers in AutoCAD, use the â€œLayer Propertiesâ€• manager. Go to the â€œHomeâ€• tab, then to the â€œLayersâ€• panel, and click on the â€œLayer Propertiesâ€• button. In the â€œLayer Propertiesâ€• manager, click on the light bulb icon for each layer to turn it off.

66. How to turn off AutoCAD SHX text in PDF?

To turn off AutoCAD SHX text in a PDF, you need to change the PDF settings in the â€œPlotâ€• dialog box. Go to the â€œPlotâ€• dialog box (type PLOT in the command line), then to the â€œPDF Optionsâ€• section. Uncheck the â€œInclude SHX Fontsâ€• option, then click â€œOKâ€•.

67. How to turn off clipping boundary in AutoCAD?

To turn off a clipping boundary in AutoCAD, select the clipped object and use the â€œClipâ€• command. Type â€œClipâ€• in the command line, then type â€œOffâ€• and press Enter.

68. How to turn off image border in AutoCAD?

To turn off an image border in AutoCAD, select the image and open the properties palette (CTRL+1). In the â€œMiscâ€• section, find the â€œFrameâ€• property and set it to â€œNoâ€•.

69. How to turn off isodraft in AutoCAD?

To turn off isodraft in AutoCAD, go to the status bar and click on the â€œIsodraftâ€• button to disable it. If the â€œIsodraftâ€• button is not visible, right-click on the status bar, go to the â€œDrafting Settingsâ€• section, and uncheck the â€œIsodraftâ€• option.

70. How to uninstall AutoCAD completely?

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To uninstall AutoCAD completely, go to the â€œControl Panelâ€• on your computer, then to â€œPrograms and Featuresâ€•. Find AutoCAD in the list of programs, click on it, then click on the â€œUninstallâ€• button. Follow the prompts to complete the uninstallation.

71. How to unjoin line in AutoCAD?

To unjoin lines in AutoCAD, you can use the â€œExplodeâ€• command. Select the joined lines and type â€œExplodeâ€• in the command line, then press Enter. The lines will be separated into individual line segments.

72. How to unlock viewport in AutoCAD?

To unlock a viewport in AutoCAD, select the viewport and open the properties palette (CTRL+1). In the â€œMiscâ€• section, find the â€œDisplay Lockedâ€• property and set it to â€œNoâ€•.

73. How to vectorize an image in AutoCAD?

To vectorize an image in AutoCAD, you can use the â€œRaster to Vectorâ€• tool. This tool traces the raster image and creates vector objects. Note that the quality of the vectorization depends on the resolution of the original image.

74. How to zoom viewport in AutoCAD?

To zoom in a viewport in AutoCAD, double-click inside the viewport to activate it, then use the zoom commands or the mouse wheel to zoom in or out. To return to paper space, double-click outside the viewport.

75. Is AutoCAD free for personal use?

AutoCAD is not free for personal use. It is a commercial software and requires a subscription. However, Autodesk offers a free version of AutoCAD for students and educators for educational purposes.

76. How to convert 3D polyline to 2D in AutoCAD?

To convert a 3D polyline to a 2D polyline in AutoCAD, use the â€œFlattenâ€• command. Select the 3D polyline, type â€œFlattenâ€• in the command line, and press Enter. The 3D polyline will be converted to a 2D polyline.

77. How to hide part of xref in AutoCAD?

To hide part of an xref in AutoCAD, you can use the â€œClipâ€• command. Select the xref, type â€œClipâ€• in the command line, then specify the points for the clipping boundary. The xref will be clipped to the area inside the boundary.

78. How to import shape file in AutoCAD?

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To import a shape file in AutoCAD, use the â€œMapImportâ€• command. Type â€œMapImportâ€• in the command line, then browse for the shape file and click â€œOpenâ€•. The shape file will be imported into your drawing.

79. How to make divide points bigger in AutoCAD?

To make divide points bigger in AutoCAD, you can change the point style. Type â€œDDPTYPEâ€• in the command line to open the â€œPoint Styleâ€• dialog box. Choose a style with a larger size, then click â€œOKâ€•.

80. How to unblock a block in AutoCAD?

To unblock a block in AutoCAD, use the â€œExplodeâ€• command. Select the block and type â€œExplodeâ€• in the command line, then press Enter. The block will be exploded into its individual components.

81. How to count selected items in AutoCAD?

To count selected items in AutoCAD, select the items and look at the command line. The number of selected items will be displayed in the command line.

82. How to hide the viewport border in AutoCAD?

To hide the viewport border in AutoCAD, select the viewport and open the properties palette (CTRL+1). In the â€œMiscâ€• section, find the â€œDisplay Lockedâ€• property and set it to â€œYesâ€•. This will lock the viewport and make the border invisible.

Conclusion

We hope that this comprehensive list of â€œFAQs: Top AutoCAD 82 Questions with Answersâ€• has been helpful in addressing your queries and enhancing your understanding of AutoCAD. Remember, mastering AutoCAD is a continuous learning process, and itâ€™s perfectly okay to have questions along the way. With the right resources and persistent practice, youâ€™ll be able to navigate through this powerful tool with ease and confidence. Keep exploring, keep learning, and donâ€™t hesitate to refer back to this guide whenever you find yourself stuck or in doubt. Happy drafting!

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