Human Computer Interaction (In English)

Prof. Rajiv Ratn Shah

Department of Computer Science and Engineering
Institute IIT Madras

Illustrator

Hi everyone, I am Shubhi. I will be taking session on Illustrator. So what is Adobe Illustrator? So what is Adobe Illustrator? It is a design tool which is made to make vector based designs and it is used to make logos, illustrations, icons and it is used by graphic designers, UI UX designers and to make digital art. So getting started with the interface. so we have toolbar on the left side of the interface we have all the tools in this panel on the artboard this is the main canvas area where we design and panels in the panels we have properties layers colors and all the tools delete by the designers in the menu bar we have all the options like file edit object where we use all the necessary tools so getting starting with the project first we will make file so to make file go to the illustrator click on new file set dimensions for example you can choose A4 by first choosing print and then A4 then choose color mode RGB for digital and CMYK for print here we will go to print then I will be selecting A4 the color mode is CMYK and I will click on create this is the interface you will see when you will open your file this is the toolbar this is menu and this is the canvas area where you will design so after creating your first file you must know what are the tools used the selection tool This is used to select objects and we can move them, modify them. With the pen tool, we can create paths.

We can create shapes with pen tool. And with the shape tools, we can directly make shapes like rectangle, squares, triangles, circles. And the type tool is to insert text in your design. With eyedropper, you can drop your color from the document itself to the element.

We can use shortcuts for different types of tools like V for selection, P for pen, T for type. So moving to the illustrator. So in your illustrator file, you can see the toolbar on the left side. to expand the number of tools you can go to window toolbars and advanced now you can see more tools on the left side if you want to see what this tool is used for you can simply hover over that symbol and can see their use here's the pen tool here's the selection the shapes. So moving towards tools, we have direct select tool.

You can select any point or any line on any element and can delete them, move them and can modify them. You can select multiple lines or points by just clicking on the first one and clicking on shift key then the other points and lines this way you can choose and

select multiple points and lines using pen tool you can create shapes different type of elements and it is a free form you can make your shapes as you will so how to use this tool you just have to select the pen tool or you can also select or you can also click P click wherever you want to start your design and then start developing your shape or element by following your path clicking on different areas on the canvas And to complete your shape, you have to end your part to the first point you have started. The artboards are the live area where you will make your objects and elements. These are the digital canvases and these are used to create, organize your work. To create a new artboard, you can go to file and new artboard and select their size.

  or you can use your short or you can use shortcut shift plus o you can make your artboard by simply clicking and dragging the size you want to manage the artboard you just have to be in the artboard editing mode and you can simply drag to reposition and you can resize them by adjusting their edges and corners to add artboard you can simply click the press button or you can just click alt button on your keyboard and hold it and then dragging the canvas this will copy your current canvas moving on to the shapes tool you can just click on the tool drag and make your shapes if you want to make your shapes uniform you can click on the artboard hold shift button on your keyboard and drag it it will create uniform shapes like squares equilateral triangles circles using Pathfinder you can use different type of shape modes like combine subtract intersect or exclusion inclusion on the shapes moving on to the colors you can fill your objects or elements with the colors using color picker or switches panel you can also add gradient using the gradient tool so demonstrating on the illustrator first we can make shape so i will be picking rectangle i will make square by holding shift now i will leave the cursor leave shift and this is our square you can fill your square using colors using this you can fill inside the shape and using this you can fill the outline of the shape so for the color we can adjust our panel like this now we have our panel on the right side and we can easily choose our options from this I want my rectangle to be colorful I will choose my outline now I will go to selection tool press alt copy this square I will release the anchor I will release alt now this is our duplicate of previous shape can select both the squares I can merge them or I can subtract it or I can intersect it using this now how to reduce the now how to reduce the size of the square we can hold shift and drag it we can select both squares we can align them to the center using alignment in the properties panel now we can subtract now we get this shape using pen tool you can make any shape you want for straight lines you have to hold shift button click and to close the shape I will go to the first point where I have started this element I will go to selection tool and this is the shape made by pen tool so coming to these panels we can add more windows in this by going to the window in the menu tab you can choose gradient you can adjust in this panel select the shape add gradient you can choose a gradient type here first you have to choose the fill option then gradient now my fill and the outline both are gradient of the same type

this is the output moving on to the artboards we can choose artboard tool we can press alt and copy this now this same artboard is copy pasted on the right side we can make a new artboard by simply clicking and dragging and adjusting the size you can press ctrl plus to increase the viewing area this is the shape builder tool first we will make shapes and we will fill this shape with a solid color we will make duplicates of it and by selecting all these shapes go to shape builder and choose and drag what elements you want to choose now to get this shape we will right click on this now to get this shape we can simply click it and drag it here and delete the unnecessary elements from the canvas you can also use shape builder to make moving on now we will learn how to use layers with layers we can keep our design elements organized and it is very convenient to lock and hide to add a new layer you can simply press this button create new layer this will create your new layer and you can press here and select this now you have a layer inside the layer 2 and you can create your artwork here using shape, text, pen tool whatever you want you can also hide this element here using this eye icon you can see here in the layers panel now you can see that element that element will not be exported and you can't edit it also to edit it you can have to undo this and now this is a normal element like others by locking this element you can't edit it it is there in the design but you can't edit it will be exported after layers we have text to add text you can simply choose type tool and click on the canvas to add your text you can change your font size and font style fonts properties using the panel You can create outlines of a text. You can increase your size and fill colors in it. You can also adjust spacing like kerning and tracking in using the panel. You can see here we have text tool here you can simply click it and click on this canvas and this text area will be created you can add a text adjust your text using this panel and create a design as you want now we can choose the texture simply click it add a text you can go to selection now to change we can go to properties change the style by changing the font You can also adjust the width, your size, corning. Now to change the color, I will select this fill.

 Click on this. You can also use eye dropper tool click on this tool click on this color now this text is filled with this color you can also enter your font size here and you can see the fill color inside it Now after making your design, you have to export your work. To export your work, firstly save your AI file by going to file, save as and write your file name there and save. And to export the different file types, you can go to file then export as and you can choose between PNG, JPG, SVG, PDF as you wish. for the web export we can choose png svgs and the color mode should be rgb because you you are exporting your work for digital purposes these are the recommended settings you can choose and for the print export you can choose pdf and these are the other file types you can also choose the color mode should be CMYK as you are exporting your work for the print practices and these are the resolution and bleed option you can choose now we will save this file by going to file save as we can save on our computer write your file name and

choose save now we can export our screens we will go to file export you can export all your artboards using export as or you can choose which screens you want in the file by choosing the export for screens we will go export for screens we will choose this file only because this is the relevant file we have to download I am choosing the PNG format I don't want bleed in my document you can change your font size and font style fonts properties using the panel You can create outlines of a text.

 You can increase your size and fill colors in it. You can also adjust spacing like kerning and tracking in using the panel. You can see here we have text tool here you can simply click it and click on this canvas and this text area will be created you can add a text adjust your text using this panel and create a design as you want now we can choose the texture simply click it add a text you can go to selection now to change we can go to properties change the style by changing the font You can also adjust the width, your size, corning. Now to change the color, I will select this fill. Click on this.

 You can also use eye dropper tool click on this tool click on this color now this text is filled with this color you can also enter your font size here and you can see the fill color inside it Now after making your design, you have to export your work. To export your work, firstly save your AI file by going to file, save as and write your file name there and save. And to export the different file types, you can go to file then export as and you can choose between PNG, JPG, SVG, PDF as you wish. for the web export we can choose png svgs and the color mode should be rgb because you you are exporting your work for digital purposes these are the recommended settings you can choose and for the print export you can choose pdf and these are the other file types you can also choose the color mode should be CMYK as you are exporting your work for the print practices and these are the resolution and bleed option you can choose now we will save this file by going to file save as we can save on our computer write your file name and choose save now we can export our screens we will go to file export you can export all your artboards using export as or you can choose which screens you want in the file by choosing the export for screens we will go export for screens we will choose this file only because this is the relevant file we have to download I am choosing the PNG format I don't want bleed in my document and I will export my artboard. This is the design we have exported from the illustrator without the background.

 You can also choose to have background by simply checking on that option while exporting your screen. Now to improve your illustrator skills, you can use keyboard shortcuts to improve your speed and create your designs faster. You can also see more tutorials and resources from the official website of Adobe. Here are the resources you can go through after the tutorial. That's it for this illustrator tool. Thank you.