ASSIGNMENT 9

**Submitted by: Princepreet Singh**

COMPUTER ILLUSTRATION

**How will you create graphs using illustrator? Explain how one can edit labels or add symbols to the graphs**

In Illustrator, we can create different types of graphs and customize them to suit our needs. We can do that by Clicking and holding the Graph tool in the Tools panel to see all different types of graphs that we can create. Below image displays all the types of graphs in the illustrator.

Graphical user interface, application, Word

Description automatically generated

**Below are the steps to create a graph:**

1. Firstly, select one of the nine available graph tools.
2. Then draw on the work plane the area we want the graph to occupy.
3. We can also simply click on the artboard and specify the desired width and height settings.
4. Enter the necessary data in the Graph Data window.
5. The order of the data will vary depending on the type of graph chosen.
6. Choose a cell and enter the desired value in the text capture field.
7. We can also copy and paste data from a spreadsheet such as Excel into the Graph Data window. In addition, the first icon in the Graph data window allows you to import data from a spreadsheet file, if we reverse the values of the graph by mistake, the second icon allows us to reverse them.
8. To apply the data to the graph, tap the icon depicting a checkmark. To display the data of an existing graph, choose in the OBJECT/ GRAPH / DATA menu.
9. The Illustrator graph editor allows us to represent any type on our graph in any way we like, so every bar chart, mind map, or organizational chart looks exactly how we like it.

**Editing labels:**

Labels use text or numbers to categorize data compared to be tempered. Each row's first cell will establish a group, while each column will list the values. A legend will be generated automatically. The Direct Selection tool may be used to change the location or appearance of the graph's parts. Choose from the OBJET / GRAPH / ATTRIBUTES menu to change the graph type. Use a vertical bar to make a line break in the labels.

**Adding symbols or images to graphs:**

We can customize the value bars with images. To do this, select the desired image and create a new symbol by choosing in the OBJECT/ GRAPH / SYMBOL menu. Click on Create then rename the symbol. To apply the symbol to a value bar, select the graph, right click, and choose Bar. In the Bar window, select the desired symbol. The drop-down menu will allow us to choose whether we want the symbol to stretch, repeat, etc.