

## Graph Questions

1. On the command line, type `demo(graphics)`. Follow prompts.
2. Declare a vector having 4 numbers which indicate the movie preferences of your 20 friends. Comedy, Action, Romance, Science or Fiction - the type of movie they want to watch today. Prepare a Pie chart to show the results.
  - a. Show the pie slices in 4 attractive colors
  - b. Give count against the slices
  - c. Movie type in legend
  - d. Order the pie slices in clockwise direction.
  - e. Give Heading.
3. Draw a bar chart for the above data. Provide Main Heading, labels for X Axis and Y Axis
4. Save the graph created in question 3 to
  - a. png file.
  - b. Jpg file
5. ABC corporation manufactures and sales 3 products A, B & C. Draw a stacked bar chart to show the annual product sales of the company. The sales for the 4 quarters are to be displayed in the X axis. Use proper legends to show the sales of the 3 products.
6. Draw a histogram showing the **Miles/gallon value distributions among the various car models in the mtcars data (Motor Trend Car Road Tests) results.**
7. Create a graph using the basic steps `plot.new()`
  - a. Draw x axis and y axis
  - b. Mark 5 random points (declare them as X and Y vectors)
  - c. Draw line joining them
  - d. Draw a horizontal line touching the topmost point
  - e. Draw a vertical line touching the rightmost point