**PROGRAMMING ASSIGNMENT 3 – 6**

A team of researchers wishes to do a study on the most popular colors. They will ask 100 people what their favorite color is out of the following choices: **red, green, cyan, black, and orange**. Upon completion of their study, they wish to have a computer program that will accept their results and create a bar graph to display the information.

The program should prompt the user by printing:

Enter the number of people that liked red: 10

Enter the number of people that liked green: 20

Enter the number of people that liked cyan: 30

Enter the number of people that liked black: 40

Enter the number of people that liked orange: 50

After entering the information, a bar graph should be displayed in a dialog box created by Turtle Graphics. Use the following information to create your graph.

* Each axis should be 400 pixels long
* The point (0,0) should be located at the intersection point of the x and y axes
* The bar graph should contain a title written in black above the chart
* Each bar should be represented by its appropriate color
* Each bar length in pixels should be 5x the amount of people that liked the color
* Each bar should be spaced an equal distance of 40 pixels from the other bars
* The y-axis should be labeled in increments of 10 (up to 60), and spaced 50 pixels apart
* The labels should be written in orange