Lab 8 Assignment

(1) Use built-in dataset: airquality and perform following:

i. plot a boxplot for temprature on the basis of month .
ii. Give user defined labels, titles to graph.
iii. Add notch to boxplot
iv. Change color of Boxplot.
v. specify different color to each box plot.

(2) Use built-in dataset: airquality and perform following:
i. Fetch first 10 records of temprature from airquality dataset.
ii. Create histogram for that fetched data.
iii. Give proper title and xlab to chart.
iv. Give bar color and border color.
v. Set xlim between 50 to 80 and ylim to 1 to 5.

(3) Use following data and create dataframe : Product and perform following:

Sr. No	Product	Count
1	A	40
2	B	57
3	C	50
4	D	82
5	E	17
6	F	16

i. Create a pareto chart from given data.
ii. Give proper title and color to chart. (color: **heat.color()**)

(4) Use following data and create stem-and-leaf plot:

i. Data 1:
c(25,30,40,22,27,33,26,35,19,28,37,42,35,36,54,24,46,33,25,34,12,39,52,5)
ii. Data 2:
c(54, 43, 67, 76, 45, 59, 66, 78, 80, 92)

(5) Use built in dataset: mtcars and generate scatter plot:

i. Fetch first six records from mtcars for field wt and mpg.
ii. consider `"Weight"` for xlab and `"Milage"` for ylab.
iii. Give xlim range 1.5 to 4 and ylim range 10 to 25.
iv. Give title Weight vs Milage
v. Add line to scatter plots points.
vi. Predict which type of correlation is defined from scatter plot
vii. Change size of plot points into graph.