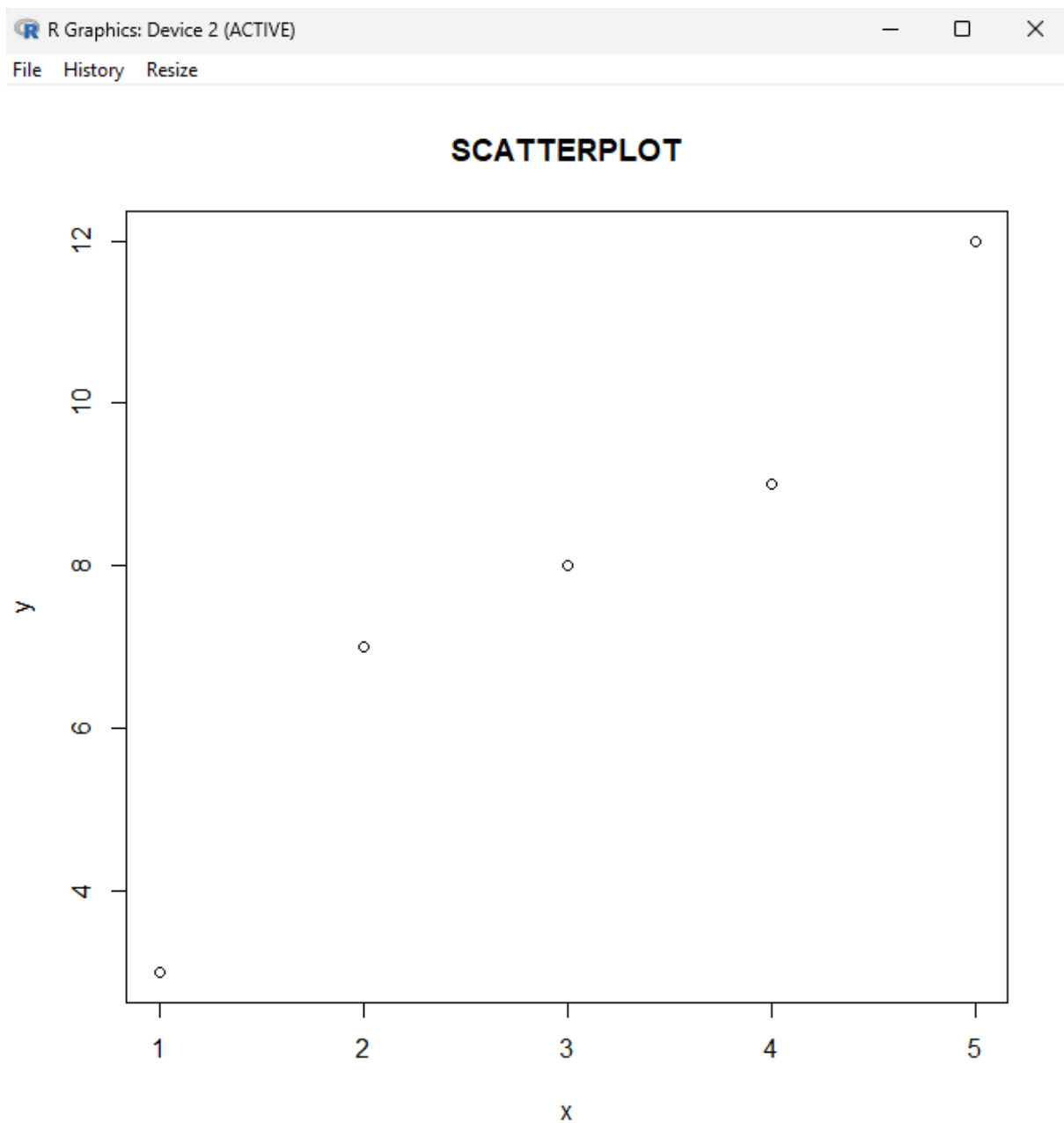


EXPERIMENT – 3

PLOTTING IN R PROGRAMMING

1. Scatterplot

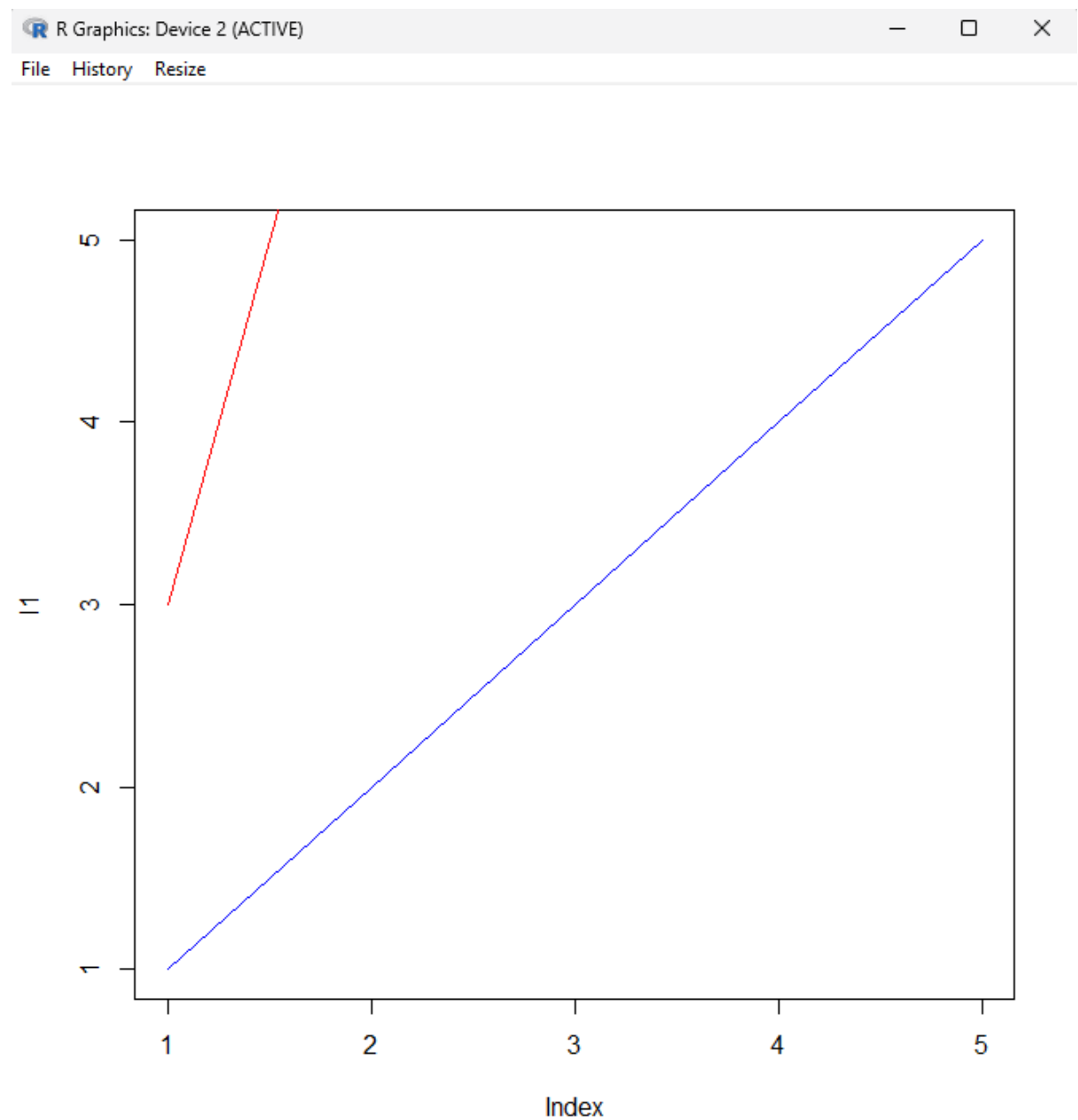
```
# scatter plot  
x <- c(1,2,3,4,5)  
y <- c(3,7,8,9,12)  
  
plot(x,y,main = "SCATTERPLOT")
```



2. Line Graph

```
# line graphs
# lines() function is used to plot multiple lines in the same
graph.
l1 <- c(1,2,3,4,5,)
l2 <- c(3,7,8,9,12)

plot(l1, type = "l", col = "blue")
lines(l2, type="l", col = "red")
```



3. Pie Chart

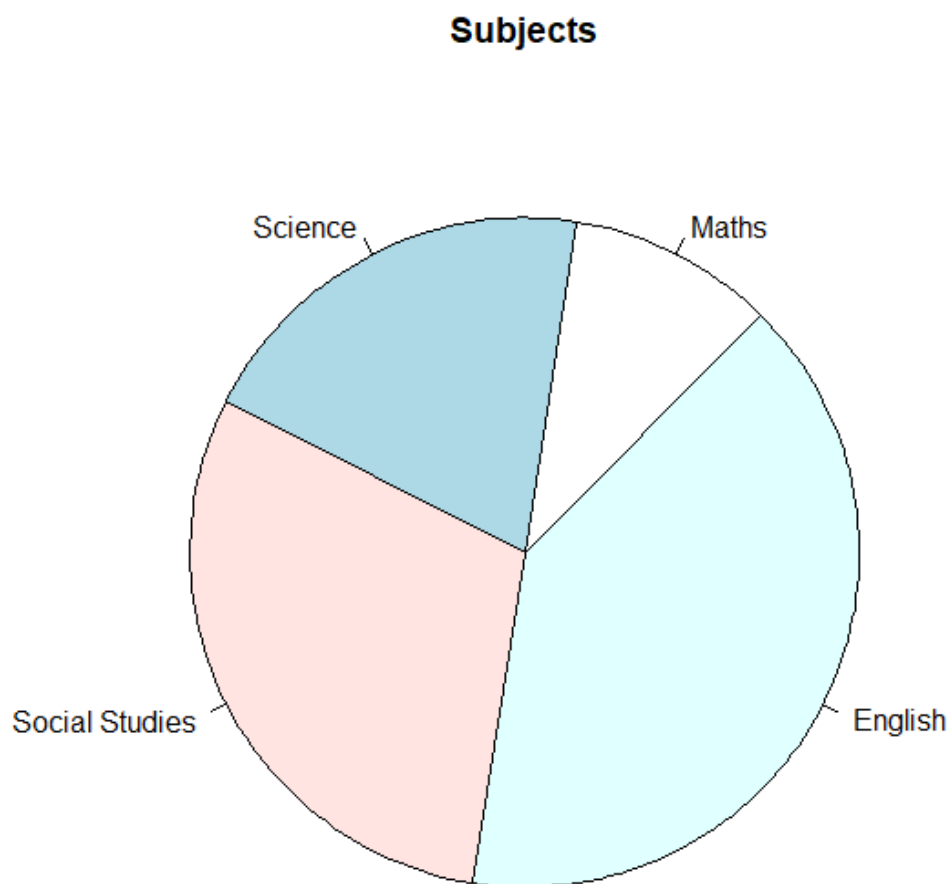
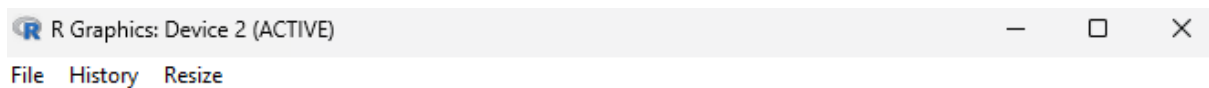
```
x <- c(10,20,30,40)
```

```
# Create a vector of labels -- not mandatory
```

```
mylabel <- c("Maths", "Science", "Social Studies", "English")
```

```
# Display the pie chart with labels
```

```
pie(x,init.angle = 45, label = mylabel, main = "Subjects")
```



4. Bar Chart

```
x <- c("Maths", "Science", "History", "English")  
y <- c(67, 89, 91, 92)  
  
barplot(y, names.arg = x, col = "green")
```

