Assignment 1.2

5.

**Q1**. What should be the output of the following script?

Sol:

> v<-c(2,5.5,6)

> t<-c(8,3,4)

> print(v%/%t)

[1] 0 1 1

# %/% indicates integer division which gives the quotient of the division of the first vector to the second vector.

**Q 2**. You have 25 excel files with names as xx\_1.xlsx,xx\_2.xlsx,..... Xx\_25.xlsx in a dir. Write a program to extract the contents of each excel sheet and make it one df.

Sol:

* Install packages “XLconnect” ( this package can be used not just for reading excel files but to write data frames to excel workbooks and to manipulate the data further into those files) or “openxlsx”
* Add the package in library :- Library(openxlsx)
* Setwd(“C:/Users/Desktop/ABC”)
* path<- "C:/Users/Desktop/ABC "
* merge\_mydata<- " C:/Users/Desktop/ABC "
* datamerge\_list <- list.files(path = ".", full.names = TRUE)
* All <- lapply(datamerge\_list,function(filename){read.xlsx(filename)}) *#merges data from 25 excel files into one df.*
* df <- do.call(rbind.data.frame, All)
* write.xlsx(df, file=" filename", append = FALSE)

**Q3**. If the above 25 files were csv files, what would be your script to read?

* Setwd (“C:/Users/Desktop/ABC ”)
* merge\_mydata<- " C:/Users/Desktop/ABC "
* datamerge\_list <- list.files(path = ".", full.names = TRUE)
* All <- lapply(datamerge\_list,function(i){read.csv(i)}) *#merges data from 25 csv files into one df.*
* df <- do.call(rbind.data.frame, All)
* write.csv ( df, " filename.csv", row.names= FALSE)