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Solutions to Assignment-2 Session-1 (Introduction)

5.1 What would be the output of the following Script:

v <- c(2,5.5,6)

t <- c(8,3,4)

print (v%/%t)

Solution is given below:

Here we created two vector v and t

Arithmetic operator %/% gives quotient as result of division of first vector by second.

```
> v <- c(2,5.5,6)       # Creating a vector v
> t <- c(8,3,4)         # Creating a vector v
> print(v%/%t)          # %/% gives quotient as result of division of first vector by second
[1] 0 1 1
```

5.2 Program to extract contents of 25 excel sheet and make 1 DF

```
setwd("Path containing your excel files")

files=list.files(pattern=".xlsx")

for(i in 1:length(files))

{

 filename=files[i]

 data=read.xlsx(file = filename, sheetIndex = 1)

 assign(x = filename, value = data)

}
```

#Suppose the columns are the same for each file, you can bind them together in one dataframe with bind_rows from dplyr:

```
library(dplyr)

df <- bind_rows(files, .id = "id")
```

#one more option is as follows

```
df<-lapply(files, read_xlsx) %>% bind_rows()
```

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5.3 Script to read csv files

```
setwd("Path containing your csv files")
files=list.files(pattern=".csv")
for(i in 1:length(files))
{
 filename=files[i]
 data=read.csv(file = filename, header = T)
 assign(x = filename, value = data)
}
#Suppose the columns are the same for each file,
#you can bind them together in one dataframe with bind_rows from dplyr:
library(dplyr)
df <- bind_rows(files, .id = "id")
#one more option is as follows
df<-lapply(files, read_csv) %>% bind_rows()
```

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