Assignment No	8
Title	Import & Export to csv
Objective	Using libraries in R
Roll No	MCA2511

```
> install.packages("XLConnect")

Restarting R session...
> install.packages("XLConnect")

WARNING: Rtools is required to build R packages but is not currently
installed. Please download and install the appropriate version of Rtools
before proceeding:

https://cran.rstudio.com/bin/windows/Rtools/
trying URL
'https://cran.rstudio.com/bin/windows/contrib/4.5/XLConnect_1.2.2.zip'
Content type 'application/zip' length 24069692 bytes (23.0 MB)
downloaded 23.0 MB

package 'XLConnect' successfully unpacked and MD5 sums checked

Warning: cannot remove prior installation of package 'XLConnect'
Warning: restored 'XLConnect'

The downloaded binary packages are in
C:\Users\MCA2511\AppData\Local\Temp\RtmpCUH70x\downloaded_packages

> install.packages("readxl")

WARNING: Rtools is required to build R packages but is not currently
installed. Please download and install the appropriate version of Rtools
before proceeding:

https://cran.rstudio.com/bin/windows/Rtools/
trying URL
'https://cran.rstudio.com/bin/windows/contrib/4.5/readxl_1.4.5.zip'
```

```
Content type 'application/zip' length 766108 bytes (748 KB)
downloaded 748 KB

package 'readxl' successfully unpacked and MD5 sums checked

The downloaded binary packages are in
        C:\Users\MCA2511\AppData\Local\Temp\RtmpCUH70x\downloaded_packages
> install.packages("writexl")

WARNING: Rtools is required to build R packages but is not currently
installed. Please download and install the appropriate version of Rtools
before proceeding:

https://cran.rstudio.com/bin/windows/Rtools/

trying URL
'https://cran.rstudio.com/bin/windows/contrib/4.5/writexl_1.5.4.zip'

Content type 'application/zip' length 198034 bytes (193 KB)
downloaded 193 KB

package 'writexl' successfully unpacked and MD5 sums checked

The downloaded binary packages are in
        C:\Users\MCA2511\AppData\Local\Temp\RtmpCUH70x\downloaded_packages
> library(writexl)
> dataT <- read.table("data.csv",sep=",",header=T)
> dataT
      name age    subject
1   Mukund  20     python
2    Omkar  21       java
3   Aniket  23          r
4   Nimish  22 javascript
5 Atlamash  24        cpp
6    Sumit  22          c
7  Bhavesh  22        sql
> class(dataT)
[1] "data.frame"
> head(dataT)
      name age    subject
1   Mukund  20     python
2    Omkar  21       java
3   Aniket  23          r
4   Nimish  22 javascript
5 Atlamash  24        cpp
6    Sumit  22          c
> dim(dataT)
[1] 7 3
> tail(dataT)
      name age    subject
2    Omkar  21       java
3   Aniket  23          r
```
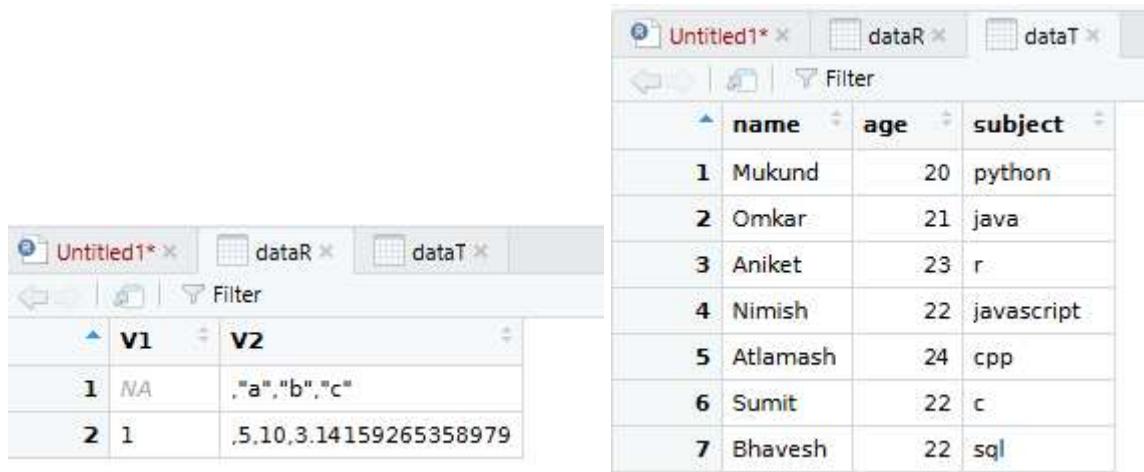
```
4    Nimish   22 javascript
5  Atlamash   24        cpp
6     Sumit   22          c
7   Bhavesh   22        sql
> tail(dataT,2)
      name age subject
6    Sumit  22        c
7  Bhavesh  22      sql
> z <- data.frame(a=5,b=10,c=pi)

> write.csv(z, file="datanew.csv",)
> dataR <-read.table("datanew.csv",)
> dataR
   V1                    V2
1 NA           ,"a","b","c"
2  1 ,5,10,3.14159265358979
> view(dataR)
> view(dataT)
```

Output: