Assignment No:1

**DATA PREPROCESSING**

Reading Data

1. Read R dataset using packages (library **datasets**)
2. Read text file
   1. read.table
   2. read.delim
   3. read.delim2
3. Read CSV file
   1. read.csv
   2. Read.csv2
4. Read Excel sheets (library **readxl**)
   1. read\_xls
   2. read\_xlsx
5. Read various files in interactive mode: **file. choose()**
6. Compare the difference between Table and Tibble format
7. Use the following function to read the dataset
   1. head()
   2. tail()
   3. dim()
   4. str()
   5. summary()
   6. names()
   7. quantile()
   8. min()
   9. max()
   10. glimpse()

Selecting Data (library **dplyr**)

Read IRIS dataset and perform the following using select function

1. Select sepal width column
2. Select first 3 column
3. Exclude last column
4. Include all column starts with “Sepal”
5. Include all column end with “Width”
6. Move species column first
7. Drop all column starts with “Sepal”
8. Drop all column end with “Width”
9. Select column contains substring “al”
10. Compare the difference between contains () and matches ()
11. Use num\_range()
12. Compare one\_of(), any\_of(), all\_of()