

**Q:1.** In this example we are going to do some processing on a data file and then will store the results in a specific folder. Do the following steps to complete this assignment.

1. Download the file data.txt (it is attached as a resource to this lecture) and save it on your computer.
2. Read this file into the MATLAB environment.
3. Write statements that will only select the rows from the data where the second column has greater than or 3 value. This will result in reduced rows.
4. Next check if the working directory has a folder named Results.
5. If yes go to that directory and store reduced data (reduced rows) in csv format in that folder under the name, reduced\_data.csv
6. Else create a folder with the name results in the working folder and store the reduce data in that folder under the name reduced\_data.csv

Solution:

```
X = csvread('C:\data.csv');
Y = X(:,2) > 3.0;
Z = X(Y,:);

if exist('Results') == 7
    csvwrite('Results\reduced_data.csv',Z);
else
    mkdir Results
    csvwrite('Results\reduced_data.csv',Z);
end
```