

Assignment : 5

[Data Handling using Pandas]

NOTE : **gradedata.csv** & **weekdata.xlsx** has been provided as separate attachments.

1. Write a program to create a dataframe that contains the information of 5 Employees and print its size and shape.
(**Employee** : ID,Name, City, Department, Designation, Salary)
2. Write a program to create a CSV file that contains the information of 10 students, read that CSV file using pandas function and print the data.
Student.CSV (EnrollmentNo,Name,Branch,College_Name)
3. Write a program to read a given “**gradedata.csv**” excel file and print the first & last 10 rows.
4. Write a program to print following details for **weekdata.xlsx** file:
 - a. Column names
 - b. Size of dataframe
 - c. All the information of dataframe
 - d. Count the number of records in each columns
 - e. Statistical Information of dataframe
5. Write a program to sort the dataset (student.csv) according to the column name entered by the user.
6. Write a program to read the file “**weekdata.xlsx**” & perform the following operations:
 - a. Print the column : **answeringAgent** names.
 - b. Print all the data of the odd index.
 - c. Display all the details of calls that are made on Monday.
 - d. List all the contact numbers that is made for Complaints
 - e. Display call details having call duration more than 10 minutes.
 - f. How many calls are answered by agent ‘**David**’ ?
 - g. Count the number of calls made after 9.30 AM.
 - h. Drop All the rows containing at least 1 NULL value.
 - i. Drop all the columns containing all the NULL values.