Set 3

1. Analyze dataset (weather.csv) and build logistic regression model using python

a. Describe the attributes and find categorical and continuous values.
b. Check unique and null values
c. Check percentage of missing data in every column
d. Perform data visualization and state its inference.
e. Remove the outliers
f. Build a logistic regression model
g. Train the model
h. Using the model built, predict the rain.
i. Analyze the performance of the model and visualize the prediction

2. Create student table with the following schema using MongoDB and implement the following:
(Sregno, Sname, phoneno, address, mailid, dept, Sem, CGPA)
Note: Insert 10 records.

a. Display all the student who study in (IT, CSE) department.
b. Update the CGPA of the student after their marks got improved in reevaluation
c. Display the details of students are ranked as 'TOP 5' based on the CGPA.
d. Remove the details of the student who are not assigned with register no.
e. Display the count of students in each department
f. Display all the IT department students with CGPA greater than 6, but less than 7.5.
g. Display all the CSE students in ascending order
h. Update the phone number and mailid of any student in CSE department.

3. Create an AWS instance and deploy the student details in AWS cloud