Lab-Machine Learning using Python.

1. Download a dataset from Kaggle (.csv format, atleast 1000 rows and 20 columns) and write a program in python programming language to perform the following operations:
   i) Read the dataset file in Python IDE.
   ii) Display the dataset
   iii) Display the shape of the dataset.
   iv) Display the datatypes of the attributes of the dataset.
   v) Find out the mean, median and mode of all the numeric columns.
   vi) Describe the entire dataset in terms of count, min, max, standard deviation, variance etc.
2. Write a program in python to implement Linear Regression
3. Write a Program in python to implement Binary Logistic Regression on a dataset downloaded from Kaggle.
4. Write a Program in python to implement Naïve Bayes on the iris dataset. Study the confusion matrix
5. Write a program in Python to implement Naïve Bayes Algorithm on a dataset from Kaggle. Also print Confusion Matrix, Accuracy, Precision, Recall.
6. Write a program in python to implement Support Vector Machine on the iris dataset.