Neural Networks & Deep Learning: ICP1

1. Implement Naïve Bayes method using scikit-learn library
Use dataset available with name **glass**
Use **train_test_split** to create training and testing part
Evaluate the model on **test part** using score and

```
classification_report(y_true, y_pred)
```

2. Implement linear SVM method using scikit-learn
Use the same dataset above
Use **train_test_split** to create training and testing part
Evaluate the model on **test part** using score and

```
classification_report(y_true, y_pred)
```

Which algorithm you got better accuracy? Can you justify why?

3. Implement Linear Regression using scikit-learn

a) Import the given "Salary_Data.csv"
b) Split the data in train_test partitions, such that 1/3 of the data is reserved as test subset.
c) Train and predict the model.
d) Calculate the mean_squared error.
e) Visualize both train and test data using scatter plot.