```
knn_pred = knn.predict(X_test)
knn_pred.shape
```

7.3) Making Prediction using Naive Bayes

```
nb_pred = nb.predict(X_test)
nb_pred.shape
```

7.4) Making Prediction using SVM

```
sv_pred = sv.predict(X_test)
sv_pred.shape
```

7.5) Making Prediction using Decision Tree

```
dt_pred = dt.predict(X_test)
```

7.6) Making Prediciton using Random Forest

```
rf_pred = rf.predict(X_test)
```

Step 8: Model Evaluation

```
from sklearn.metrics import accuracy_score

# Train & Test Scores of Logistic Regression
print("Accuracy (Train) score of Logistic Regression
",lr.score(X_train,Y_train)*100)
print("Accuracy (Test) score of Logistic Regression ",
lr.score(X_test,Y_test)*100)
print("Accuracy score of Logistic Regression ",
accuracy_score(Y_test,lr_pred)*100)

# Train & Test Scores of KNN
print("Accuracy (Train) score of KNN ",knn.score(X_train,Y_train)*100)
print("Accuracy (Test) score of KNN ", knn.score(X_test,Y_test)*100)
print("Accuracy score of KNN ", accuracy_score(Y_test,knn_pred)*100)

# Train & Test Scores of Naive-Bayes
print("Accuracy (Train) score of Naive Bayes ",nb.score(X_train,Y_train)*100)
print("Accuracy (Test) score of Naive Bayes ", nb.score(X_test,Y_test)*100)
print("Accuracy score of Naive Bayes ", accuracy_score(Y_test,nb_pred)*100)

# Train & Test Scores of SVM
print("Accuracy (Train) score of SVM ",sv.score(X_train,Y_train)*100)
print("Accuracy (Test) score of SVM ", sv.score(X_test,Y_test)*100)
print("Accuracy score of SVM ", accuracy_score(Y_test,sv_pred)*100)

# Train & Test Scores of Decision Tree
print("Accuracy (Train) score of Decision Tree
",dt.score(X_train,Y_train)*100)
print("Accuracy (Test) score of Decision Tree ", dt.score(X_test,Y_test)*100)
print("Accuracy score of Decision Tree ", accuracy_score(Y_test,dt_pred)*100)
```