Date:02/11/2020

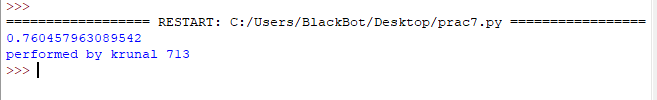
**Practical no 7**

**AIM:** Implement Adaboost ensemble learning algorithm for the restaurant waiting problem Or any other problem

**CODE:**

|  |
| --- |
| import pandas  from sklearn import model\_selection  from sklearn.ensemble import AdaBoostClassifier  url = "https://raw.githubusercontent.com/jbrownlee/Datasets/master/pima-indians-diabetes.data.csv"  names = ['preg', 'plas', 'pres', 'skin', 'test', 'mass', 'pedi', 'age', 'class']  dataframe = pandas.read\_csv(url, names=names)  array = dataframe.values  X = array[:,0:8]  Y = array[:,8]  seed = 7  num\_trees = 30  kfold = model\_selection.KFold(n\_splits=10)  model = AdaBoostClassifier(n\_estimators=num\_trees, random\_state=seed)  results = model\_selection.cross\_val\_score(model, X, Y, cv=kfold)  print(results.mean()) |

**OUTPUT :**

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