Wine Quality Checker

Introduction :

- Predicts the quality of the wine
- Categories as bad, good or best

Libraries/ Modules used :

01 Pandas

02 Numpy

03 Random Forest Classifier

04 Sklearn and it's various modules

Random Forest Classifier

01 Builds multiple decision trees and merges them together

02 More accurate and stable prediction

03 Trained with the "bagging" method

Procedural Steps :

01 Loading of dataset

02 Data preprocessing

03 Importing random forest classifier

04 Prediction


94%
Accuracy

Result

```
[61] print(classification_report(ytest, y_pred))
```

	precision	recall	f1-score	support
0	0.67	0.11	0.19	55
1	0.94	1.00	0.97	1207
2	1.00	0.26	0.41	31
accuracy			0.94	1293
macro avg	0.87	0.45	0.52	1293
weighted avg	0.93	0.94	0.92	1293

THANK YOU