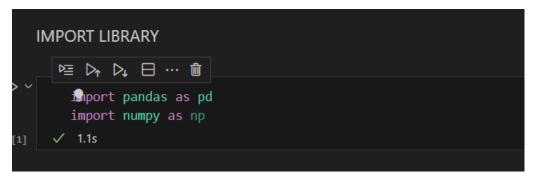
Nama : Abraham Arghya Silaen



<pre>dataset = pd.read_csv('weather_classification_data.csv') dataset</pre>											
✓ 0.0s											
	Temperature	Humidity	Wind Speed	Precipitation (%)	Cloud Cover	Atmospheric Pressure	UV Index	Season	Visibility (km)	Location	Weather Type
	14.0			82.0	partly cloudy	1010.82		Winter		inland	Rainy
					partly cloudy	1011.43		Spring		inland	Cloudy
	30.0				clear	1018.72		Spring		mountain	Sunny
	38.0				clear	1026.25		Spring		coastal	Sunny
				66.0	overcast	990.67		Winter		mountain	Rainy
	10.0				overcast	1003.15		Summer		mountain	Rainy
					cloudy	1067.23		Winter		coastal	Snowy
	30.0			28.0	overcast	1012.69		Autumn	9.0	coastal	Cloudy
				94.0	overcast	984.27		Winter		inland	Snowy
13199					overcast	1015.37		Autumn	10.0	mountain	Rainy

```
MENGECEK DATASET
D ~
           dataset.info()
           dataset.isnull().sum()
     <class 'pandas.core.frame.DataFrame'>
       RangeIndex: 13200 entries, 0 to 13199
       Data columns (total 11 columns):
                              Non-Null Count Dtype
       # Column
       0 Temperature 13200 non-null float64
1 Humidity 13200 non-null int64
2 Wind Speed 13200 non-null float64
3 Precipitation (%) 13200 non-null float64
4 Cloud Cover 13200 non-null object
        5 Atmospheric Pressure 13200 non-null float64
       6 UV Index 13200 non-null int64
7 Season 13200 non-null object
8 Visibility (km) 13200 non-null float64
9 Location 13200 non-null object
10 Weather Type 13200 non-null object
       dtypes: float64(5), int64(2), object(4)
       memory usage: 1.1+ MB
      Temperature
      Humidity
       Wind Speed
       Precipitation (%)
       Cloud Cover
                                         0
       Atmospheric Pressure
       UV Index
                                         a
       Season
```

```
MENGHITUNG AKURASI DAN ERROR PADA MODEL
    from sklearn.metrics import accuracy score, classification report
    accuracy = accuracy_score(y_test, y_pred)
    print('accuracy: ', accuracy)
print('classification report: ', classification_report(y_test, y_pred))
accuracy: 0.8666666666666667
 classification report:
                                       precision
                                                    recall f1-score support
                    0.83
                              0.80
                                        0.82
                                                   680
                    0.81
                              0.84
                                        0.83
                                                   678
                    0.92
                              0.94
                                        0.93
                                                   660
                              0.88
                   0.91
                                        0.90
                                                   622
                                        0.87
                                                  2640
    accuracy
    macro avg
                    0.87
                              0.87
                                                  2640
                                        0.87
 weighted avg
                    0.87
                              0.87
                                        0.87
                                                   2640
```