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IBM-Project-32990-16602134

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MODEL BUILDING, TRAIN AND TEST MODEL, MODEL EVALUATION, SAVE THE MODEL.ipynb

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MODEL BUILDING, TRAIN AND TEST MODEL, MODEL EVALUATION, SAVE THE MODEL.ipynb

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Code Text

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### 9. Training And Testing The Model

```
[1] from sklearn.ensemble import RandomForestClassifier
from sklearn.ensemble import GradientBoostingClassifier

[2] from sklearn.preprocessing import StandardScaler

[3] RFC=RandomForestClassifier()

[4] GBC=GradientBoostingClassifier()

np.any(np.isnan(x))

data.isnull().any()

MaxTemp      False
RainFall      False
WindGustSpeed  True
WindSpeed9am  True
WindSpeed3pm  False
Humidity9am   False
Humidity3pm   False
Pressure9am   False
Pressure3pm   False
Temp9am       False
Temp3pm       False
AT5C_9M       False
RainTomorrow  False
RainToday     False
WindGustDir    False
WindDir9am    False
WindDir3pm    False
dtype: bool

[ ] x.isnull().any()

MaxTemp      False
RainFall      False
```

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[ ] RISK\_MMFalse  
RainTomorrowFalse  
RainTodayFalse  
WindGustDirFalse  
WindDir9amFalse  
WindDir3pmFalse  
dtype: bool

x.isnull().any()

MaxTempFalse  
RainfallFalse  
WindGustSpeedTrue  
WindSpeed9amTrue  
WindSpeed3pmFalse  
Humidity9amFalse  
Humidity3pmFalse  
Pressure9amFalse  
Pressure3pmFalse  
Temp9amFalse  
Temp3pmFalse  
RISK\_MMFalse  
RainTodayFalse  
WindGustDirFalse  
WindDir9amFalse  
WindDir3pmFalse  
dtype: bool

[ ] p1=RFC.predict(x\_train)

[ ] p2=RFC.predict(x\_test)

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