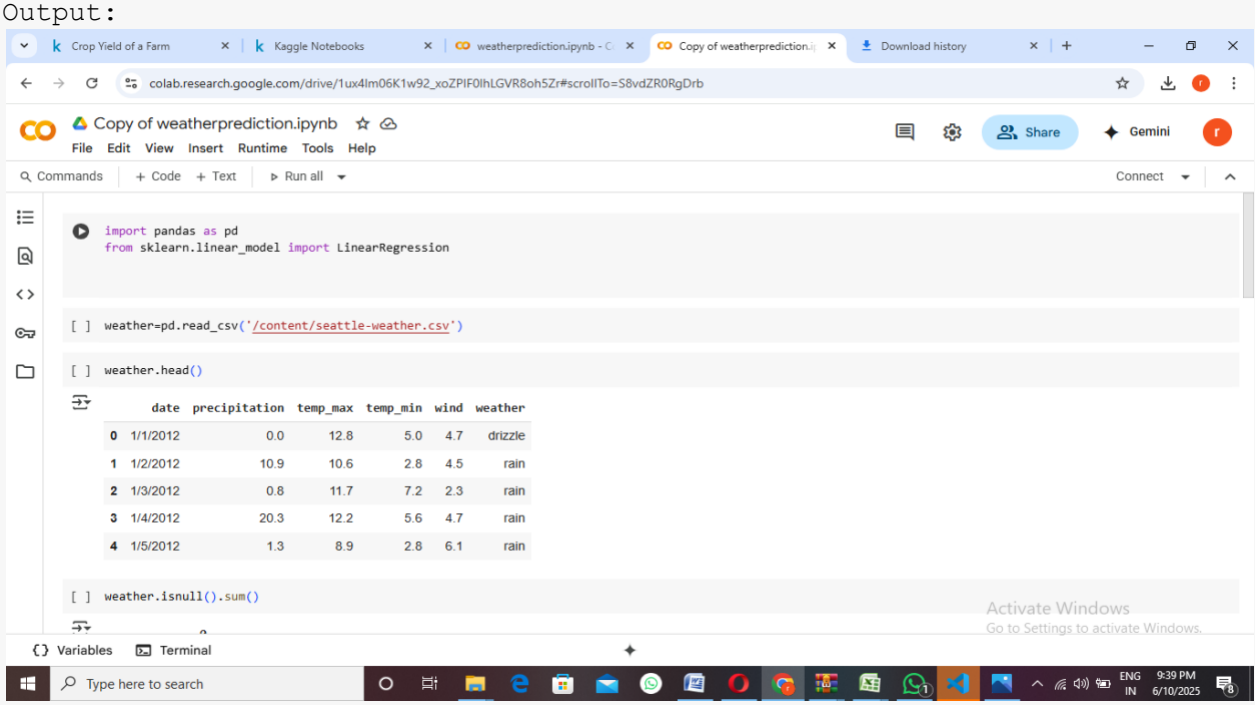
```
import pandas as pd

from sklearn.linear_model import LinearRegression

weather=pd.read_csv('/content/seattle-weather.csv')

weather.head()

weather.isnull().sum()

from sklearn.preprocessing import LabelEncoder

le=LabelEncoder()

le1=LabelEncoder()

le2=LabelEncoder()

weather['temp_max']=le.fit_transform(weather['temp_max'])

weather['temp_min       ']=le1.fit_transform(weather['temp_min'])

weather['precipitation']=le2.fit_transform(weather['precipitation'])

a=weather[['temp_max','temp_min','wind']]

b=weather['weather']

LR=LinearRegression()

LR.fit(a, b)

LR.predict([[1,1,1]])
```

Output: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Connect
import pandas as pd
from sklearn.linear_model import LinearRegression
[ ] weather=pd.read_csv('/content/seattle-weather.csv')
[ ] weather.head()
date precipitation temp_max temp_min wind weather
0 1/1/2012 0.0 12.8 5.0 4.7 drizzle
1 1/2/2012 10.9 10.6 2.8 4.5 rain
2 1/3/2012 0.8 11.7 7.2 2.3 rain
3 1/4/2012 20.3 12.2 5.6 4.7 rain
4 1/5/2012 1.3 8.9 2.8 6.1 rain
[ ] weather.isnull().sum()
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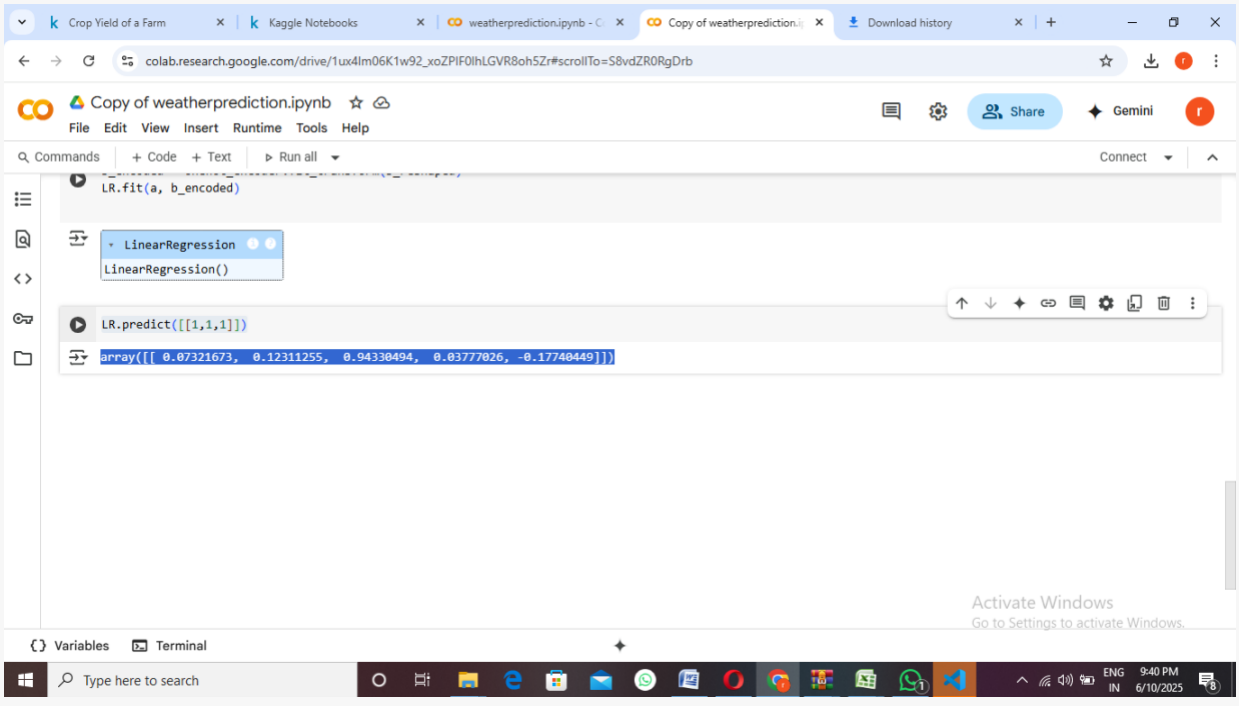
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Run all
Connect
LR.fit(a, b_encoded)
LinearRegression
LinearRegression()
LR.predict([[1,1,1]])
array([[0.07321673, 0.12311255, 0.94330494, 0.03777026, -0.17740449]])
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