Task-2

Crop Yield Prediction:

Code:

```
import pandas as pd
import numpy as np
from sklearn.linear model import LinearRegression
from sklearn.preprocessing import LabelEncoder
crp=pd.read csv('/content/crop yield data.csv')
crp.head()
crp.isnull().sum()
x=crp[['rainfall mm','soil quality index','farm size hectare
s','sunlight hours','fertilizer kg']]
y=crp['crop yield']
LR = LinearRegression()
LR.fit(x,y)
LR.predict([[1600,8,545,11,798]])
print ("The Yiekd in Crop
is", LR. predict([[1600,8,545,11,798]]))
output :
```

The Yiekd in Crop is [351.54682311]

Sample Image :





