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import pandas as pd
from sklearn.model_selection import train_test_split
from sklearn.linear_model import LinearRegression
from sklearn.metrics import mean_squared_error, r2_score

data = pd.read_csv('/content/drive/MyDrive/files2/TSLA.csv')

x= ['High','Low']
y = ['Volume']

LR = LinearRegression()

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data = pd.read_csv('/content/drive/MyDrive/files2/TSLA.csv')

# Extract features and target variable as dataframes, not lists
x = data[['High','Low']] # Use double brackets to select multiple columns
y = data[['Low']]

LR = LinearRegression()

LR.fit(x,y)

LinearRegression()

LR.predict([[6,3.55]])

/usr/local/lib/python3.10/dist-packages/sklearn/base.py:439:
UserWarning: X does not have valid feature names, but LinearRegression
was fitted with feature names
  warnings.warn(

array([[3.55]])

import pandas as pd
from sklearn.model_selection import train_test_split
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# Load your data (replace with your actual file path)
data = pd.read_csv('/content/drive/MyDrive/files2/TSLA.csv')

# Extract features and target variable
x = data[['High','Low']]
y = data[['Volume']]

# Create and fit the linear regression model

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```
LR = LinearRegression()
LR.fit(x, y)

# Example of how to use the model to make predictions
user_high = float(input("Enter High value: "))
user_low = float(input("Enter Low value: "))
user_input = pd.DataFrame({'High': [user_high], 'Low': [user_low]})
prediction = LR.predict(user_input)
print("Predicted volume value:", prediction[0][0])
```

```
Enter High value: 5.000000
Enter Low value: 3.508000
Predicted volume value: 31722117.679243326
```