

```
import pandas as pd
from sklearn.model_selection import train_test_split
from sklearn.linear_model import LinearRegression
```

```
data = pd.read_csv("data.csv")
data
```

	Date	Open	High	Low	Close	Adj Close	Volume
0	2022-01-03	177.830002	182.880005	177.710007	182.009995	179.724548	104487900
1	2022-01-04	182.630005	182.940002	179.119995	179.699997	177.443558	99310400
2	2022-01-05	179.610001	180.169998	174.639999	174.919998	172.723572	94537600
3	2022-01-06	172.699997	175.300003	171.639999	172.000000	169.840256	96904000
4	2022-01-07	172.889999	174.139999	171.029999	172.169998	170.008102	86709100
...
246	2022-12-23	130.919998	132.419998	129.639999	131.860001	130.959961	63814900
247	2022-12-27	131.380005	131.410004	128.720001	130.029999	129.142441	69007800
248	2022-12-28	129.669998	131.029999	125.870003	126.040001	125.179688	85438400
249	2022-12-29	127.989998	130.479996	127.730003	129.610001	128.725311	75703700
250	2022-12-30	128.410004	129.949997	127.430000	129.929993	129.043121	77034200

251 rows × 7 columns

```
features = data[["Open", "High", "Low", "Close", "Volume"]]
target = data[["High"]]
```

target

	High
0	182.880005
1	182.940002
2	180.169998
3	175.300003
4	174.139999
...	...
246	132.419998
247	131.410004
248	131.029999
249	130.479996
250	129.949997

251 rows × 1 columns

```
X_train, X_test, y_train, y_test = train_test_split(features, target, test_size=0.2)
model = LinearRegression()
model.fit(X_train, y_train)
next_3_days = model.predict(X_test.tail(3))
```

```
print(next_3_days)
```

```
[[145.57000733]
 [165.55000305]
 [150.27999878]]
```

