SplittingDataintoTrainandTest

```
importnumpyas
npimportpandasas
pdimport seabornassns
importmatplotlib.pyplotaspltds=pd.read_csv(r"/content/ Crude-Oil-
Prices-Daily.csv")ds.head()
```

```
        DateClosingValue01/
2/1986               25.56
11/3/1986            26.00
21/6/1986            26.53
31/7/1986            25.85
41/8/1986            25.87
importpandasaspd
fromsklearn.linear_modelimportLinearRegressionfromsk
learn.model_selection importtrain_test_split

X=ds.iloc[:,:-1] y
=ds.iloc[:,-1]

X_train,
X_test,y_train,y_test=train_test_split(X,y,test_size=0.05,random_sta
te=0) print(X_train)

            Date
1940 8/11/1993
2270 12/1/1994
2500 10/30/1995
572  4/7/1988 7144
4/29/2014
...            ...
 4373 4/17/2003
7891 3/30/2017
4859 3/31/2005
3264 11/10/1998 2732
10/1/1996

[7811rows x

1columns]print(X_test)

          Date
5993 10/2/2009
7764 9/30/2016
7937 6/5/2017
```

```
 7986 8/11/2017
 2402 6/12/1995
...          ...
 6706 8/1/2012
 5489 10/3/2007
 7663 5/15/2016
 396 7/30/1987
 8206 6/15/2018


[412 rows x 1 columns]print(y_train)

1940      17.87
2270      17.77
2500      17.67
572       17.05
7144     101.56
            ...
4373      30.10
7891      50.35
4859      55.31
3264      13.54
2732      24.35
 Name: Closing Value,Length: 7811,dtype: float64

 print(y_test)

5993      69.80
7764      48.24
7937      47.40
7986      48.82
2402      18.87
            ...
6706      88.99
5489      79.97
7663      46.80
396       21.47
8206      65.01
 Name: Closing Value,Length: 412,dtype: float64
```