```
1 from sklearn.datasets import load boston
 In [1]:
           2 boston dataset = load boston()
 In [2]:
           1 import pandas as pd
           2 boston = pd.DataFrame(boston dataset.data, columns=boston dataset.feature names)
           3 boston.head()
 Out[2]:
               CRIM
                      ZN INDUS CHAS
                                       NOX
                                               RM AGE
                                                           DIS RAD
                                                                     TAX PTRATIO
                                                                                       B LSTAT
          0 0.00632
                     18.0
                            2.31
                                   0.0 0.538
                                             6.575
                                                   65.2 4.0900
                                                                1.0
                                                                    296.0
                                                                              15.3 396.90
                                                                                           4.98
          1 0.02731
                      0.0
                            7.07
                                   0.0 0.469
                                            6.421 78.9 4.9671
                                                                2.0 242.0
                                                                              17.8 396.90
                                                                                           9.14
                      0.0
                                                                2.0 242.0
                                                                                   392.83
          2 0.02729
                           7.07
                                   0.0 0.469 7.185
                                                  61.1 4.9671
                                                                              17.8
                                                                                           4.03
          3 0.03237
                      0.0
                            2.18
                                            6.998 45.8 6.0622
                                                                3.0 222.0
                                                                              18.7 394.63
                                                                                           2.94
                                   0.0 0.458
           4 0.06905
                      0.0
                                   0.0 0.458 7.147 54.2 6.0622
                                                                3.0 222.0
                                                                              18.7 396.90
                            2.18
                                                                                           5.33
           1 from sklearn.model selection import train test split
 In [5]:
           1 x = boston.drop('LSTAT',1)
 In [4]:
           2 v = boston['LSTAT']
 In [7]:
           1 x train, x test, y train, y test = train test split(x,y)
 In [8]:
           1 from sklearn.linear model import LinearRegression
           2 model = LinearRegression()
 In [9]:
           1 model.fit(x train,y train)
 Out[9]: LinearRegression()
           1 y pred = model.predict(x test)
In [10]:
```