```
In [1]: import numpy as np
         import pandas as pd
         import matplotlib.pyplot as plt
         from sklearn.linear model import LinearRegression
         from word2number import w2n
         df = pd.read csv("hiring.csv")
         df
Out[1]:
            experience test_score(out of 10) interview_score(out of 10) salary($)
          0
                  NaN
                                    8.0
                                                                50000
          1
                  NaN
                                    8.0
                                                                45000
          2
                  five
                                    6.0
                                                                60000
          3
                                    10.0
                                                           10
                                                                65000
                  two
                                    9.0
                                                                70000
                 seven
          5
                                    7.0
                                                           10
                                                                62000
                 three
          6
                                   NaN
                                                           7
                                                                72000
                   ten
          7
                eleven
                                    7.0
                                                           8
                                                                80000
In [2]: #Assuming the experience be zero instead of NAN
         df["experience"].fillna("zero",inplace=True)
In [3]: df["experience"] = df["experience"].apply(w2n.word to num)
                                                                                #Convert
          the words to number
         df
Out[3]:
            experience test_score(out of 10) interview_score(out of 10) salary($)
          0
                    0
                                    8.0
                                                                50000
          1
                    0
                                    8.0
                                                           6
                                                                45000
```

2 5 6.0 7 60000 3 2 10.0 10 65000 4 7 9.0 6 70000 5 3 7.0 10 62000 6 10 NaN 7 72000 7 11 7.0 8 80000
4 7 9.0 6 70000 5 3 7.0 10 62000 6 10 NaN 7 72000
5 3 7.0 10 62000 6 10 NaN 7 72000
6 10 NaN 7 72000
7 11 7.0 8 80000
<pre>df["test_score(out of 10)"].fillna(df["test_score(out nplace=True) df</pre>
0 0 8.000000 9 50000
1 0 8.000000 6 45000
2 5 6.000000 7 60000
3 2 10.000000 10 65000
4 7 9.000000 6 70000
5 3 7.000000 10 62000
5 3 7.000000 10 62000 6 10 7.857143 7 72000

In [5]:

In [4]:

Out[4]:

```
In [9]: a = riss.intercept_
         print("The intercept is",a)
         The intercept is 17237.330313727172
In [10]: b = riss.coef
         print("The coeffs are",b)
         The coeffs are [2827.63404314 1912.93803053 2196.9753141 ]
In [11]: # Prediction for a candidate with 2 years of with 9 marks in test score
          and 6 marks in interview score
         riss.predict([[2,9,6]])
Out[11]: array([53290.89255945])
In [12]: # Verification of calaculated salary
         sal = 17237.330313727172 + 2827.63404314 * 2 + 1912.93803053*9 + 2196.9
         753141*6
         print(sal)
         53290.89255937718
In [ ]:
```