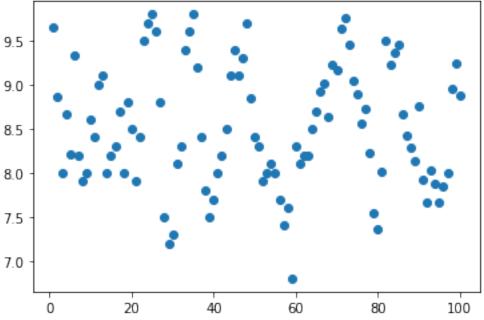
```
from matplotlib import pyplot as plt
import pandas as pd
import numpy as np
df=pd.read csv('C:/Users/LOCHAN MANI GAVEL/Desktop/ap(1).csv')
df
    Serial No. GRE Score TOEFL Score University Rating SOP LOR
CGPA \
              1
                                     118
                                                               4.5
                                                                     4.5
                       337
9.65
              2
                                     107
                                                               4.0
                                                                     4.5
                       324
                                                            4
1
8.87
              3
                       316
                                     104
                                                            3
                                                               3.0
                                                                     3.5
2
8.00
              4
                       322
                                     110
                                                            3
                                                              3.5
                                                                     2.5
3
8.67
4
              5
                       314
                                     103
                                                            2
                                                               2.0
                                                                     3.0
8.21
                       . . .
                                     . . .
                                                                      . . .
            . . .
. . .
95
             96
                       304
                                     100
                                                               1.5
                                                                     2.5
7.84
             97
                                                               3.0
96
                       306
                                     100
                                                            2
                                                                     3.0
8.00
97
             98
                       331
                                     120
                                                            3
                                                               4.0
                                                                     4.0
8.96
98
             99
                       332
                                     119
                                                            4
                                                               5.0
                                                                     4.5
9.24
                                                            3 4.0
99
            100
                       323
                                     113
                                                                     4.0
8.88
    Research Chance of Admit
0
            1
                            0.92
            1
1
                            0.76
2
            1
                            0.72
3
            1
                            0.80
4
           0
                            0.65
95
           0
                            0.42
96
                            0.48
           0
97
            1
                            0.86
98
            1
                            0.90
99
           1
                            0.79
```

```
[100 rows x 9 columns]
df=df.loc[::,['Serial No.','GRE Score','TOEFL Score','CGPA']]
df
```

```
Serial No.
                GRE Score
                            TOEFL Score CGPA
0
                       337
                                    118
                                          9.65
             1
             2
                       324
                                    107
1
                                          8.87
2
             3
                       316
                                    104
                                         8.00
3
             4
                       322
                                    110
                                         8.67
             5
4
                       314
                                    103
                                          8.21
                       . . .
95
                                          7.84
            96
                       304
                                    100
96
            97
                       306
                                    100
                                         8.00
97
            98
                       331
                                    120
                                         8.96
98
            99
                       332
                                    119
                                         9.24
99
           100
                       323
                                    113
                                          8.88
[100 rows x 4 columns]
x=df.iloc[:,0]
x.shape
(100,)
x=df.iloc[:,0].values.reshape(-1,1)
x.shape
(100, 1)
y=df.iloc[:,-1].values.reshape(-1,1)
y.shape
(100, 1)
import matplotlib.pyplot as plt
%matplotlib inline
plt.scatter(x,y)
plt.show
<function matplotlib.pyplot.show(close=None, block=None)>
```



[8.56022984], [8.5606556], [8.5610577], [8.5593802], [8.56020806], [8.56110127], [8.56018627], [8.56103592], [8.56073092], [8.55931484], [8.55918413], [8.5596852], [8.55951092],

```
[8.55955449],
    [8.55975056],
    [8.55920592]])

plt.scatter(x,y,color='blue')
plt.plot(x_test,y_pred,color='cyan')
```

[<matplotlib.lines.Line2D at 0x1f03d4f8fd0>]

