In [1]:

```
#Import numpy
import numpy as np

#Seasons
Seasons = ["2015","2016","2017","2018","2019","2020","2021","2022","2023","2024"]
Sdict = {"2015":0,"2016":1,"2017":2,"2018":3,"2019":4,"2020":5,"2021":6,"2022":7,"2023":8,"2024":9}

#Players
Players = ["Sachin","Rahul","Smith","Sami","Pollard","Morris","Samson","Dhoni","Kohli","Sky"]
Pdict = {"Sachin":0,"Rahul":1,"Smith":2,"Sami":3,"Pollard":4,"Morris":5,"Samson":6,"Dhoni":7,"Kohli":8,"Sky":9}

#Salaries
Sachin_Salary = [15946875,17718750,19490625,21262500,23034375,24806250,25244493,27849149,30453805,23500000]
Rahul_Salary = [12000000,12744189,13488377,14232567,14976754,16324500,18038573,19752645,21466718,23180790]
Smith_Salary = [4621800,5828090,13041250,14410581,15779912,14500000,16022500,17545000,19067500,20644400]
Sami_Salary = [3713640,4694041,13041250,14410581,15779912,17149243,18518574,19450000,22407474,22458000]
Pollard_Salary = [4493160,4806720,6061274,13758000,15202590,16647180,18091770,19536360,20513178,21436271]
Morris_Salary = [3348000,4235220,12455000,14410581,15779912,14500000,16022500,17545000,19067500,20644400]
Samson_Salary = [3144240,3380160,3615960,4574189,13520500,14940153,16359805,17779458,18668431,20068563]
Dhoni_Salary = [0,0,4171200,4484040,4796880,6053663,15506632,16669630,17832627,18995624]
Kohli_Salary = [0,0,0,4822800,5184480,5546160,6993708,16402500,17632688,18862875]
Sky_Salary = [3031920,3841443,13041250,14410581,15779912,14200000,15691000,17182000,18673000,15000000]
#Matrix
Salary = np.array([Sachin_Salary, Rahul_Salary, Smith_Salary, Sami_Salary, Pollard_Salary, Morris_Salary, Samson_Salary, Dhoni

#Games
Sachin_G = [80,77,82,82,73,82,58,78,6,35]
Rahul_G = [82,57,82,79,76,72,60,72,79,80]
Smith_G = [79,78,75,81,76,79,62,76,77,69]
Sami_G = [80,65,77,66,69,77,55,67,77,40]
Pollard_G = [82,82,82,79,82,78,54,76,71,41]
Morris_G = [70,69,67,77,70,77,57,74,79,44]
Samson_G = [78,64,80,78,45,80,60,70,62,82]
Dhoni_G = [35,35,80,74,82,78,66,81,81,27]
Kohli_G = [40,40,40,81,78,81,39,0,10,51]
Sky_G = [75,51,51,79,77,76,49,69,54,62]
#Matrix
Games = np.array([Sachin_G, Rahul_G, Smith_G, Sami_G, Pollard_G, Morris_G, Samson_G, Dhoni_G, Kohli_G, Sky_G])
```

```
Rahul_PTS = [1653,1426,1779,1688,1619,1312,1129,1170,1245,1154]
Smith_PTS = [2478,2132,2250,2304,2258,2111,1683,2036,2089,1743]
Sami_PTS = [2122,1881,1978,1504,1943,1970,1245,1920,2112,966]
Pollard_PTS = [1292,1443,1695,1624,1503,1784,1113,1296,1297,646]
Morris_PTS = [1572,1561,1496,1746,1678,1438,1025,1232,1281,928]
Samson_PTS = [1258,1104,1684,1781,841,1268,1189,1186,1185,1564]
Dhoni_PTS = [903,903,1624,1871,2472,2161,1850,2280,2593,686]
Kohli_PTS = [597,597,597,1361,1619,2026,852,0,159,904]
Sky_PTS = [2040,1397,1254,2386,2045,1941,1082,1463,1028,1331]
#Matrix
Points = np.array([Sachin_PTS, Rahul_PTS, Smith_PTS, Sami_PTS,
Pollard_PTS, Morris_PTS, Samson_PTS, Dhoni_PTS, Kohli_PTS, Sky_
```

In [2]: Out[2]:

Salary

```
array([[15946875, 17718750, 19490625, 21262500, 23034375, 24806250,
 25244493, 27849149, 30453805, 23500000],
 [12000000, 12744189, 13488377, 14232567, 14976754, 16324500,
 18038573, 19752645, 21466718, 23180790],
 [ 4621800, 5828090, 13041250, 14410581, 15779912, 14500000,
 16022500, 17545000, 19067500, 20644400],
 [ 3713640, 4694041, 13041250, 14410581, 15779912, 17149243,
 18518574, 19450000, 22407474, 22458000],
 [ 4493160, 4806720, 6061274, 13758000, 15202590, 16647180,
 18091770, 19536360, 20513178, 21436271],
 [ 3348000, 4235220, 12455000, 14410581, 15779912, 14500000,
 16022500, 17545000, 19067500, 20644400],
 [ 3144240, 3380160, 3615960, 4574189, 13520500, 14940153,
 16359805, 17779458, 18668431, 20068563],
 [ 0, 0, 4171200, 4484040, 4796880, 6053663,
 15506632, 16669630, 17832627, 18995624],
 [ 0, 0, 0, 4822800, 5184480, 5546160,
 6993708, 16402500, 17632688, 18862875],
 [ 3031920, 3841443, 13041250, 14410581, 15779912, 14200000,
 15691000, 17182000, 18673000, 15000000]])
```

In [3]:

```
#Points
Sachin_PTS = [2832,2430,2323,2201,1970,2078,1616,2133,83,782]
```

Out[3]:

Games

```
 [80, 65, 77, 66, 69, 77, 55, 67, 77,
40],
 [82, 82, 82, 79, 82, 78, 54, 76, 71,
41],
 [70, 69, 67, 77, 70, 77, 57, 74, 79,
44],
 [78, 64, 80, 78, 45, 80, 60, 70, 62,
82],
 [35, 35, 80, 74, 82, 78, 66, 81, 81,
27],
 [40, 40, 40, 81, 78, 81, 39, 0, 10,
51],
 [75, 51, 51, 79, 77, 76, 49, 69, 54,
62]])
```

In [4]: Out[4]:

Points

In [5]: Out[5]:

```
array([[2832, 2430, 2323, 2201, 1970,
2078, 1616, 2133, 83, 782],  [1653,
1426, 1779, 1688, 1619, 1312, 1129,
1170, 1245, 1154],  [2478, 2132, 2250,
2304, 2258, 2111, 1683, 2036, 2089,
1743],  [2122, 1881, 1978, 1504, 1943,
1970, 1245, 1920, 2112, 966],  [1292,
1443, 1695, 1624, 1503, 1784, 1113,
1296, 1297, 646],  [1572, 1561, 1496,
1746, 1678, 1438, 1025, 1232, 1281,
928],  [1258, 1104, 1684, 1781, 841,
1268, 1189, 1186, 1185, 1564],  [ 903,
903, 1624, 1871, 2472, 2161, 1850,
2280, 2593, 686],  [ 597, 597, 597,
1361, 1619, 2026, 852, 0, 159, 904],
[2040, 1397, 1254, 2386, 2045, 1941,
1082, 1463, 1028, 1331]])
```

In [6]: Out[6]:

Games

```
array([[80, 77, 82, 82, 73, 82, 58, 78,
6, 35],
 [82, 57, 82, 79, 76, 72, 60, 72, 79,
80],
 [79, 78, 75, 81, 76, 79, 62, 76, 77,
69],
```

```
array([[80, 77, 82, 82, 73, 82, 58, 78,
6, 35],
 [82, 57, 82, 79, 76, 72, 60, 72, 79,
80],
```

```
 [79, 78, 75, 81, 76, 79, 62, 76, 77,
69],
 [80, 65, 77, 66, 69, 77, 55, 67, 77,
40],
 [82, 82, 82, 79, 82, 78, 54, 76, 71,
41],
 [70, 69, 67, 77, 70, 77, 57, 74, 79,
44],
 [78, 64, 80, 78, 45, 80, 60, 70, 62,
82],
 [35, 35, 80, 74, 82, 78, 66, 81, 81,
27],
 [40, 40, 40, 81, 78, 81, 39, 0, 10,
51],
 [75, 51, 51, 79, 77, 76, 49, 69, 54,
62]])
```

```
Games[5]
```

```
array([70, 69, 67, 77, 70, 77, 57, 74,
79, 44])
```

In [7]: Out[7]:

In [8]: Out[8]:

In [9]:

```
Games[0:5]
```

```
array([[80, 77, 82, 82, 73, 82, 58, 78,
6, 35],
 [82, 57, 82, 79, 76, 72, 60, 72, 79,
80],
 [79, 78, 75, 81, 76, 79, 62, 76, 77,
69],
 [80, 65, 77, 66, 69, 77, 55, 67, 77,
40],
 [82, 82, 82, 79, 82, 78, 54, 76, 71,
41]])
```

```
Salary
```

```
array([[15946875, 17718750, 19490625,
21262500, 23034375, 24806250,
25244493, 27849149, 30453805,
23500000],
 [12000000, 12744189, 13488377,
```

```
 14232567, 14976754, 16324500,          16022500, 17545000, 19067500,
 18038573, 19752645, 21466718,          20644400],
 23180790],                              [ 3144240, 3380160, 3615960, 4574189,
  [ 4621800, 5828090, 13041250,         13520500, 14940153,  16359805,
 14410581, 15779912, 14500000,          17779458, 18668431, 20068563],
 16022500, 17545000, 19067500,          [ 0, 0, 4171200, 4484040, 4796880,
 20644400],                             6053663,  15506632, 16669630, 17832627,
  [ 3713640, 4694041, 13041250,         18995624],
 14410581, 15779912, 17149243,          [ 0, 0, 0, 4822800, 5184480, 5546160,
 18518574, 19450000, 22407474,          6993708, 16402500, 17632688, 18862875],
 22458000],                             [ 3031920, 3841443, 13041250,
  [ 4493160, 4806720, 6061274, 13758000,14410581, 15779912, 14200000,
 15202590, 16647180,  18091770,         15691000, 17182000, 18673000,
 19536360, 20513178, 21436271],         15000000]])
  [ 3348000, 4235220, 12455000,
 14410581, 15779912, 14500000,          Games
Out[9]: In [10]:             79, 62, 76, 77, 69],  [80,
                             65, 77, 66, 69, 77, 55, 67,
                             77, 40],  [82, 82, 82, 79,
                             82, 78, 54, 76, 71, 41],
                             [70, 69, 67, 77, 70, 77, 57,
                             74, 79, 44],  [78, 64, 80,
                             78, 45, 80, 60, 70, 62, 82],
                             [35, 35, 80, 74, 82, 78, 66,
                             81, 81, 27],  [40, 40, 40,
                             81, 78, 81, 39, 0, 10, 51],
                             [75, 51, 51, 79, 77, 76, 49,
array([[80, 77, 82, 82, 73,  69, 54, 62]])
82, 58, 78, 6, 35],  [82, 57,
82, 79, 76, 72, 60, 72, 79,  Salary/Games
80],  [79, 78, 75, 81, 76,

       C:\Users\rahee\AppData\Local\Temp\ipykernel_15936\3709746658.py:1: RuntimeWarning: divide by zero encountered in divide
       Salary/Games
Out[10]:                          671428.57142857],
array([[ 199335.9375 ,             [ 146341.46341463,
230113.63636364, 237690.54878049,  223582.26315789, 164492.40243902,
259298.7804878 , 315539.38356164,  180159.07594937, 197062.55263158,
302515.24390244,  435249.87931034, 226729.16666667,  300642.88333333,
357040.37179487, 5075634.16666667, 274342.29166667, 271730.60759494,
```

```
289759.875 ],                        [ 40310.76923077, 52815. , 45199.5
 [ 58503.79746835, 74719.1025641 ,  ,  58643.44871795, 300455.55555556,
173883.33333333,  177908.40740741,  186751.9125 ,  272663.41666667,
207630.42105263, 183544.30379747,   253992.25714286, 301103.72580645,
258427.41935484, 230855.26315789,   244738.57317073],
247629.87012987,  299194.20289855],  [ 0. , 0. , 52140. ,
 [ 46420.5 , 72216.01538462,        60595.13513514, 58498.53658537,
169366.88311688,  218342.13636364,  77611.06410256,  234948.96969697,
228694.37681159, 222717.44155844,   205797.90123457, 220155.88888889,
336701.34545455, 290298.50746269,   703541.62962963],
291006.15584416,  561450. ],         [ 0. , 0. , 0. ,  59540.74074074,
 [ 54794.63414634, 58618.53658537,  66467.69230769, 68471.11111111,
73917.97560976,  174151.89873418,   179325.84615385, inf, 1763268.8 ,
185397.43902439, 213425.38461538,   369860.29411765],
335032.77777778, 257057.36842105,    [ 40425.6 , 75322.41176471,
288918. ,  522835.87804878],        255710.78431373,  182412.41772152,
 [ 47828.57142857, 61380. ,         204933.92207792, 186842.10526316,
185895.52238806,  187150.4025974 ,  320224.48979592, 249014.49275362,
225427.31428571, 188311.68831169,   345796.2962963 ,
281096.49122807, 237094.59459459,   241935.48387097]])
241360.75949367,  469190.90909091],
```

In [11]:
```
np.round(Salary/        /Games)
```

```
C:\Users\rahee\AppData\Local\Temp\ipykernel_15936\3663165759.py:1: RuntimeWarning: divide by zero encountered in floor_divide
  np.round(Salary//Games)
```

Out[11]:

```
522835],
 [ 47828, 61380, 185895, 187150, 225427,
188311, 281096,  237094, 241360,
469190],
 [ 40310, 52815, 45199, 58643, 300455,
186751, 272663,  253992, 301103,
244738],
 [ 0, 0, 52140, 60595, 58498, 77611,
234948,  205797, 220155, 703541],
 [ 0, 0, 0, 59540, 66467, 68471, 179325,
0, 1763268, 369860],
 [ 40425, 75322, 255710, 182412, 204933,
186842, 320224,  249014, 345796,
241935]])
```

In [12]:

```
import warnings
warnings.filterwarnings('ignore')
```

```
import matplotlib.pyplot as plt
```

```
Salary
```

Out[14]:

In [13]: In [14]:

```
array([[ 199335, 230113, 237690, 259298,
315539, 302515, 435249,  357040,
5075634, 671428],
 [ 146341, 223582, 164492, 180159,
197062, 226729, 300642,  274342, 271730,
289759],
 [ 58503, 74719, 173883, 177908, 207630,
183544, 258427,  230855, 247629,
299194],
 [ 46420, 72216, 169366, 218342, 228694,
222717, 336701,  290298, 291006,
561450],
 [ 54794, 58618, 73917, 174151, 185397,
213425, 335032,  257057, 288918,
```

```
19067500, 20644400],
 [ 3713640, 4694041, 13041250, 14410581,
15779912, 17149243,  18518574, 19450000,
22407474, 22458000],
 [ 4493160, 4806720, 6061274, 13758000,
15202590, 16647180,  18091770, 19536360,
20513178, 21436271],
 [ 3348000, 4235220, 12455000, 14410581,
15779912, 14500000,  16022500, 17545000,
19067500, 20644400],
 [ 3144240, 3380160, 3615960, 4574189,
13520500, 14940153,  16359805, 17779458,
18668431, 20068563],
 [ 0, 0, 4171200, 4484040, 4796880,
6053663,  15506632, 16669630, 17832627,
18995624],
 [ 0, 0, 0, 4822800, 5184480, 5546160,
6993708, 16402500, 17632688, 18862875],
 [ 3031920, 3841443, 13041250, 14410581,
15779912, 14200000,  15691000, 17182000,
18673000, 15000000]])
```

In [15]: Out[15]:

```
Salary[0]
```

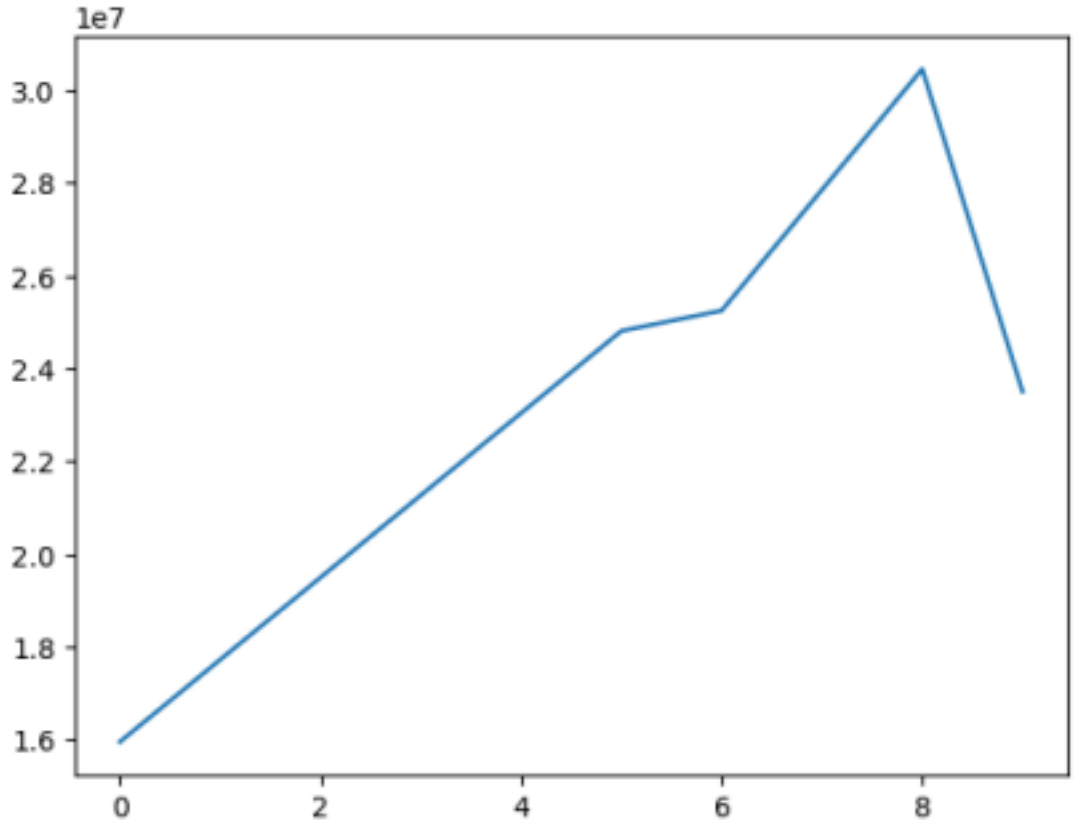
In [16]: Out[16]:

```
array([15946875, 17718750, 19490625,
21262500, 23034375, 24806250,  25244493,
27849149, 30453805, 23500000])
```

```
array([[15946875, 17718750, 19490625,
21262500, 23034375, 24806250,  25244493,
27849149, 30453805, 23500000],
 [12000000, 12744189, 13488377,
14232567, 14976754, 16324500,  18038573,
19752645, 21466718, 23180790],
 [ 4621800, 5828090, 13041250, 14410581,
15779912, 14500000,  16022500, 17545000,
```

```
plt.plot(Salary[0])
plt.show
```

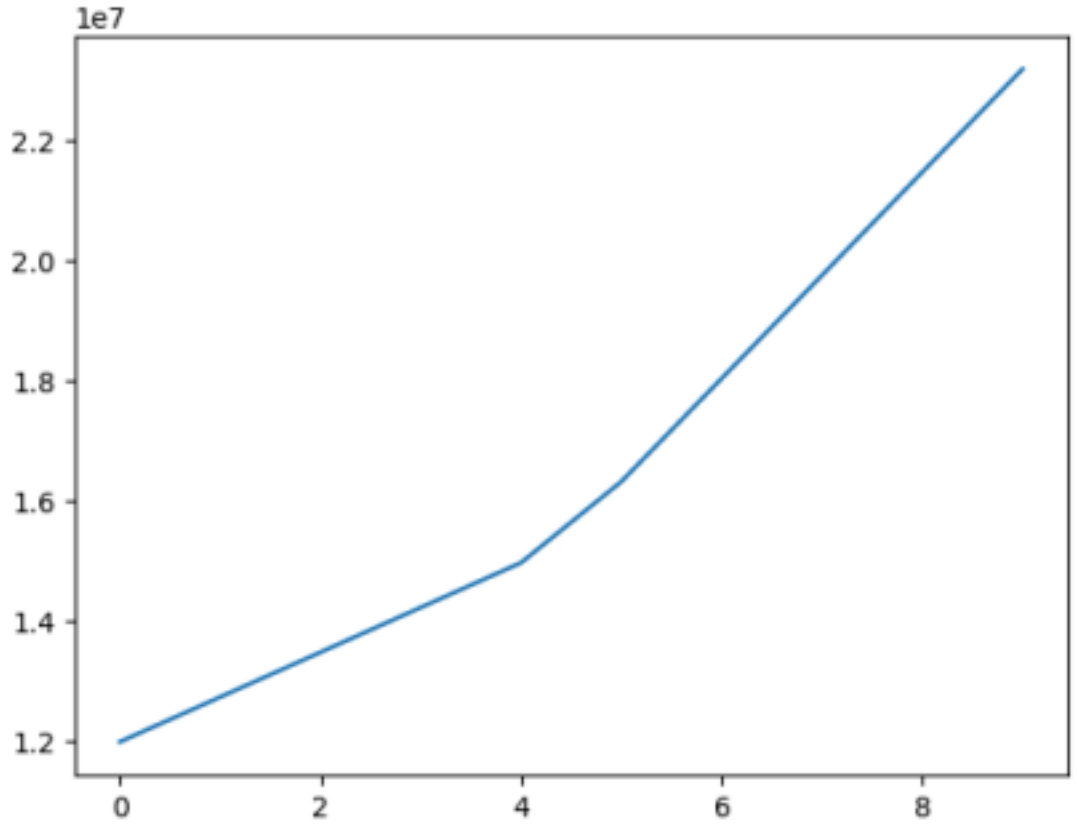
```
<function
matplotlib.pyplot.show(close=None,
block=None)>
```



In [17]: Out[17]:

```
plt.plot(Salary[1])
plt.show
```

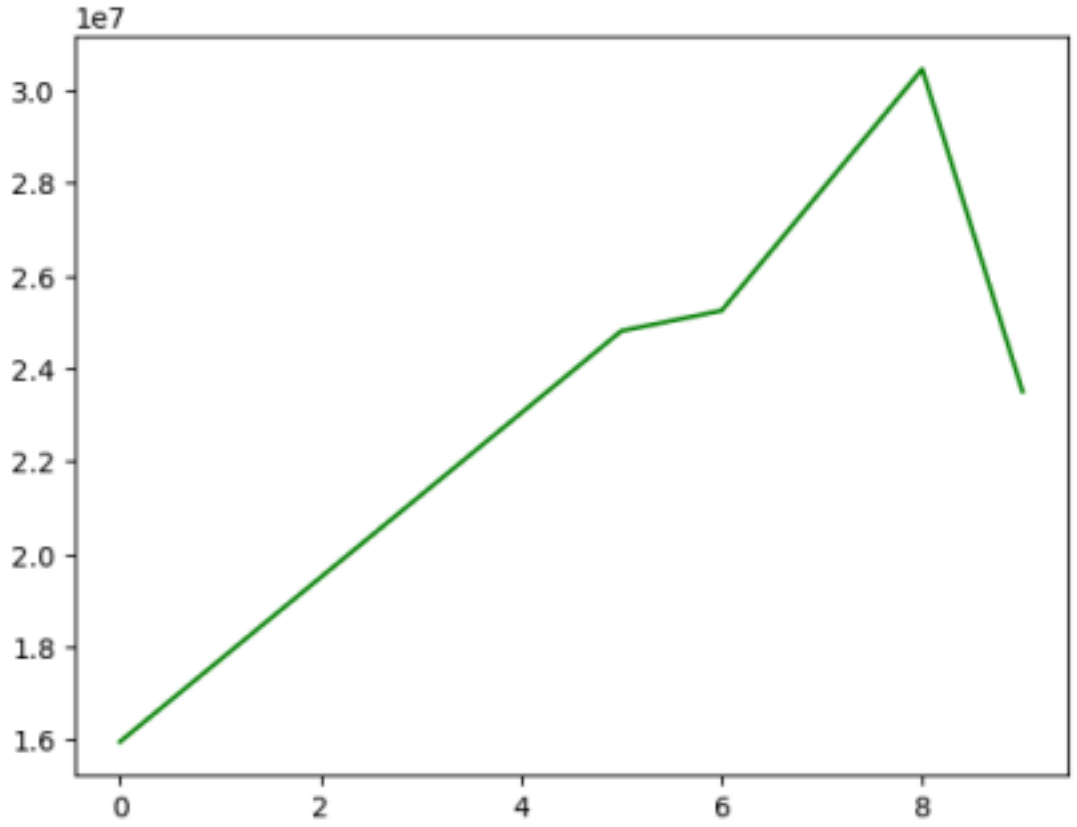
```
<function
matplotlib.pyplot.show(close=None
, block=None)>
```



In [18]: Out[18]:

```
plt.plot(Salary[0], color='g')
plt.show
```

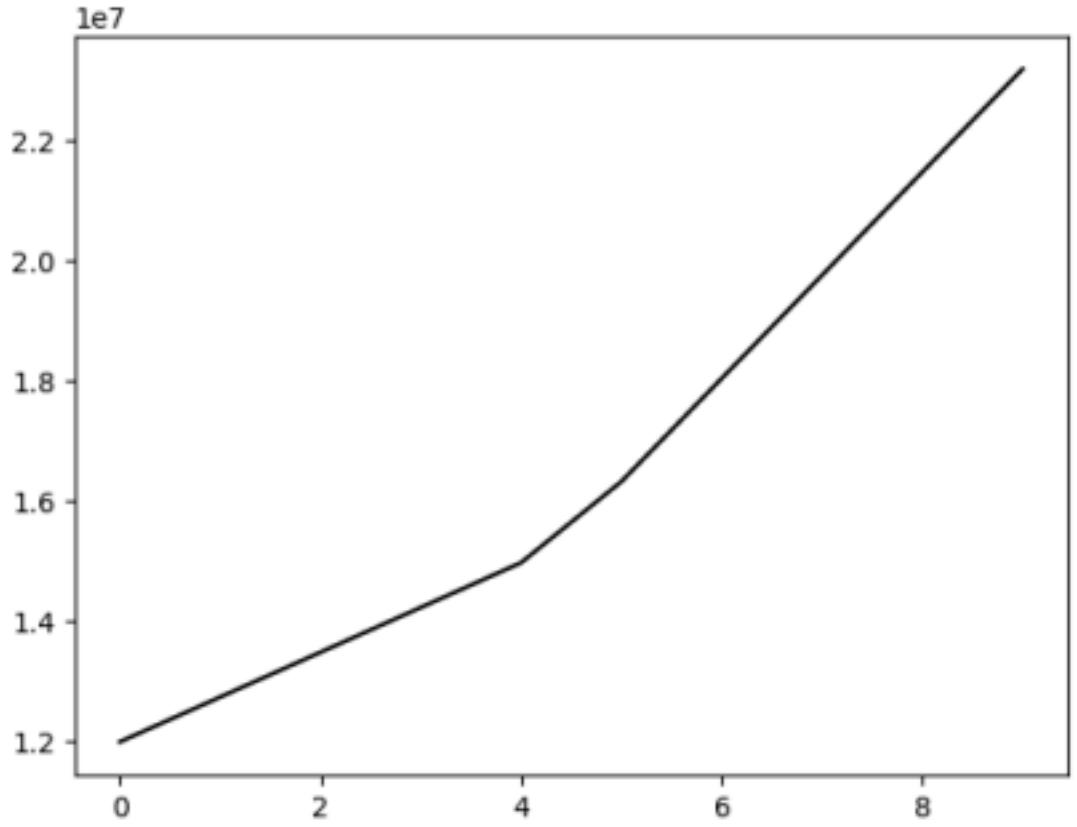
```
<function
matplotlib.pyplot.show(close=None
, block=None)>
```



In [19]: Out[19]:

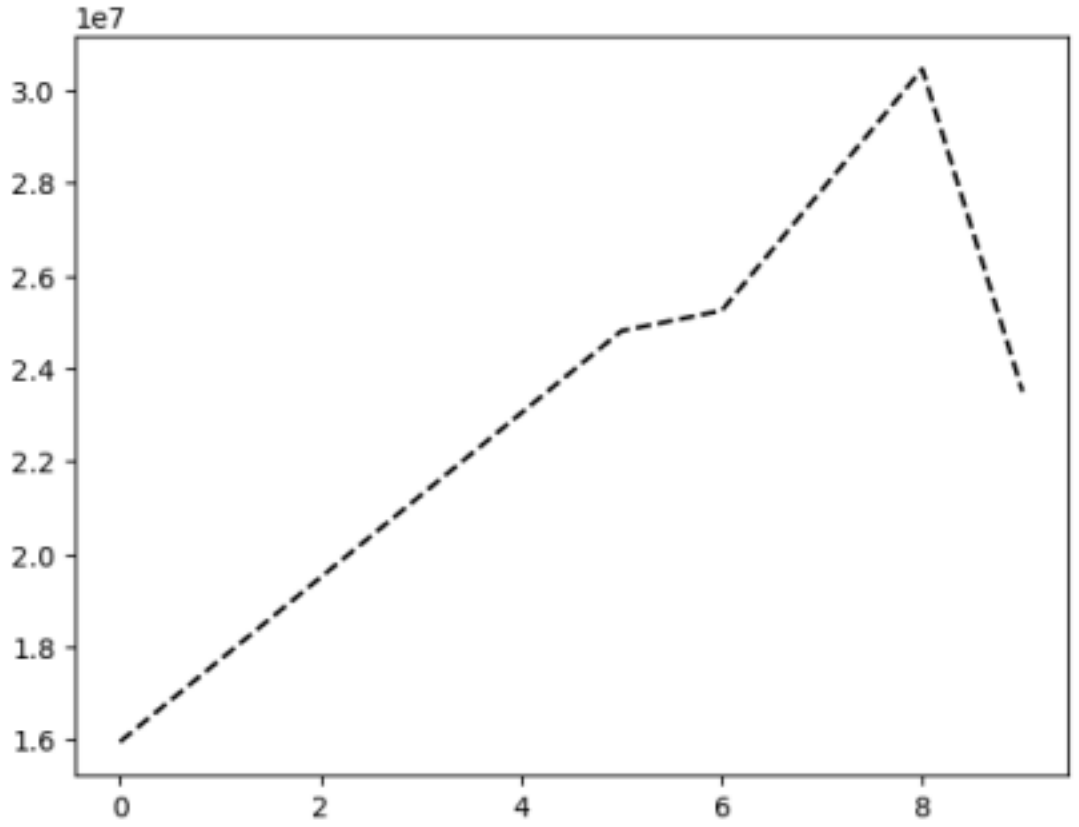
```
plt.plot(Salary[1],color='k')
plt.show
```

```
<function
matplotlib.pyplot.show(close=None
, block=None)>
```



In [20]: Out[20]: [<matplotlib.lines.Line2D at 0x11e10dd5340>]

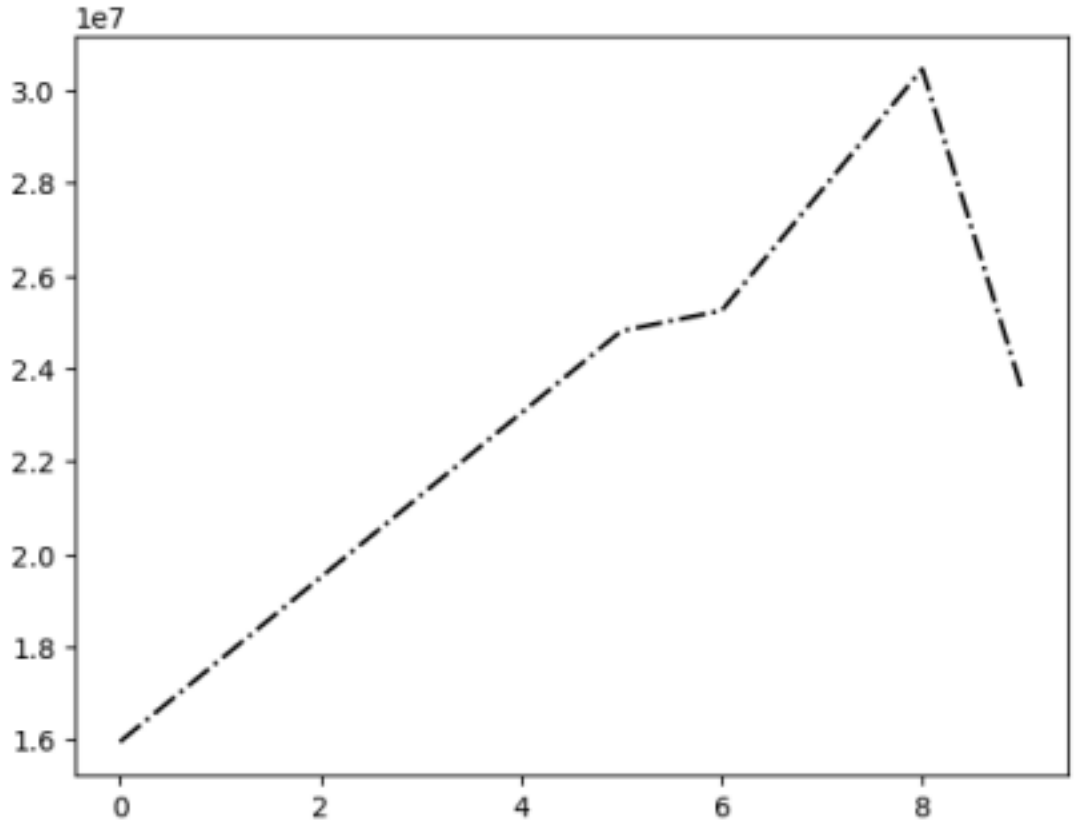
```
plt.plot(Salary[0],color='k',ls='--')
```



In [21]: Out[21]: [<matplotlib.lines.Line2D

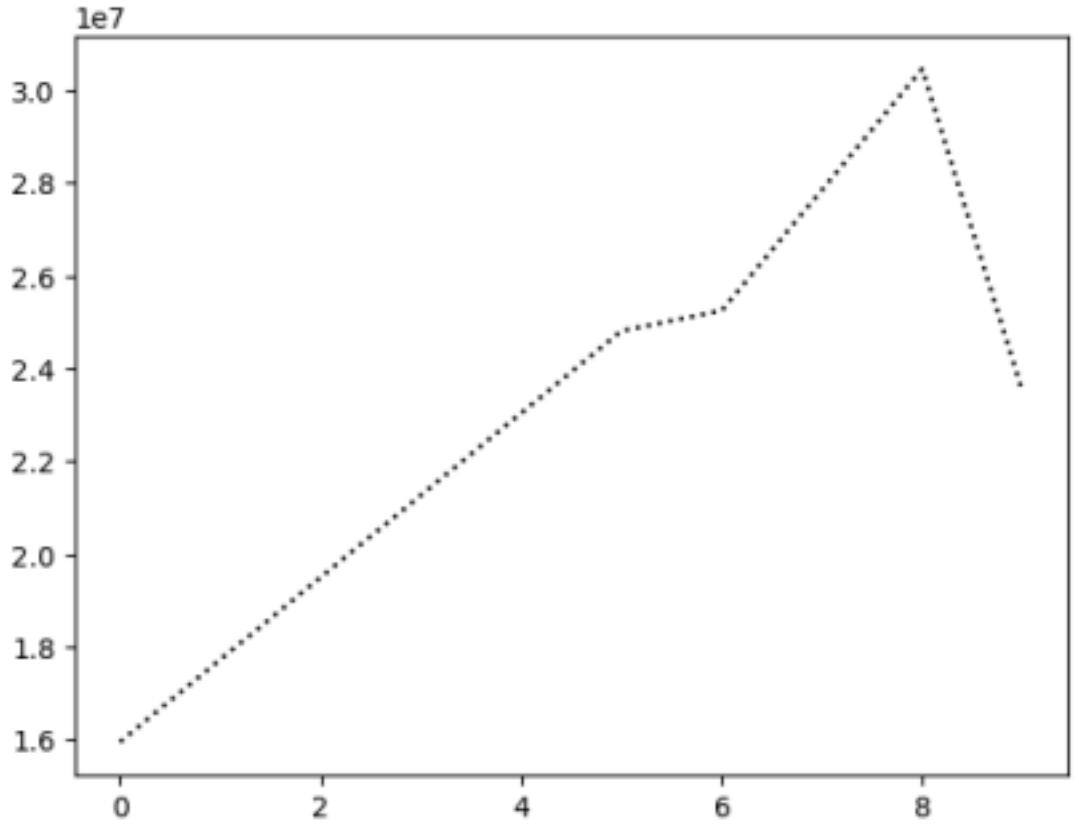
```
plt.plot(Salary[0],color='kat 0x11e10e74320>]

',ls='-.')
```



In [22]: Out[22]: [<matplotlib.lines.Line2D at 0x11e12800590>]

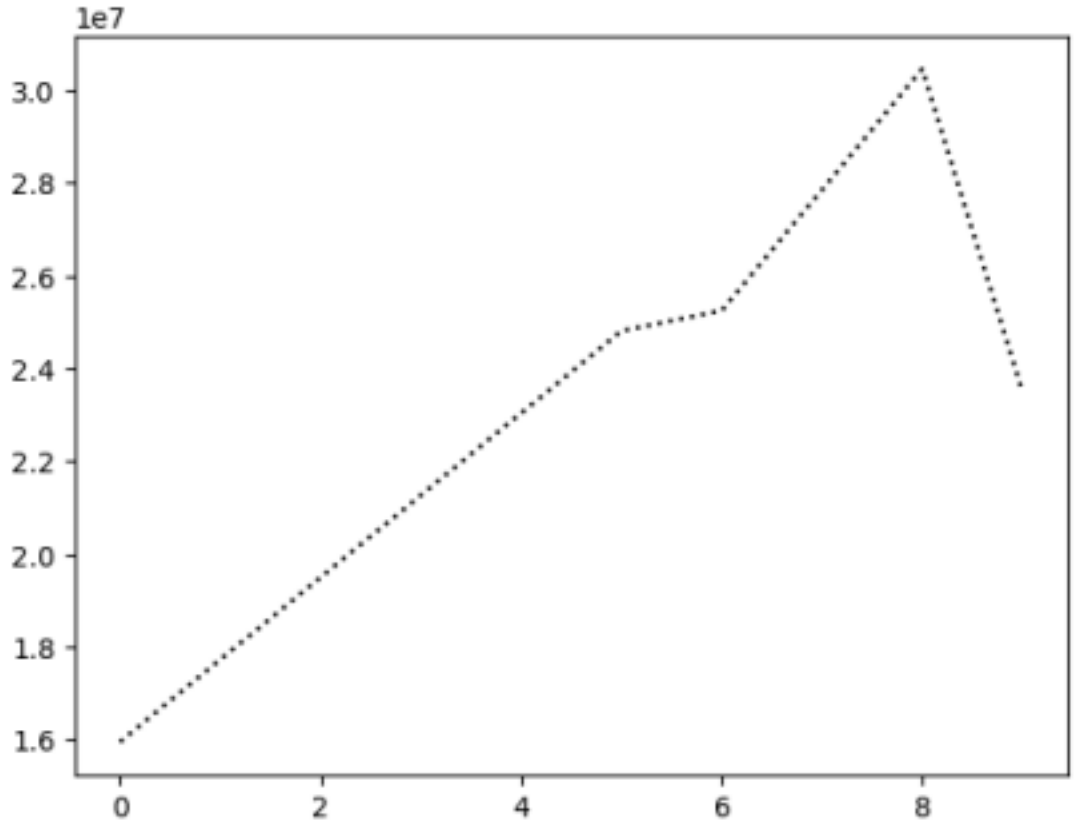
```
plt.plot(Salary[0],color='k',ls=':')
```



In [23]: Out[23]: [<matplotlib.lines.Line2D

```
plt.plot(Salary[0],color='kat 0x11e1285d010>]

',ls=':')
```



In [24]:

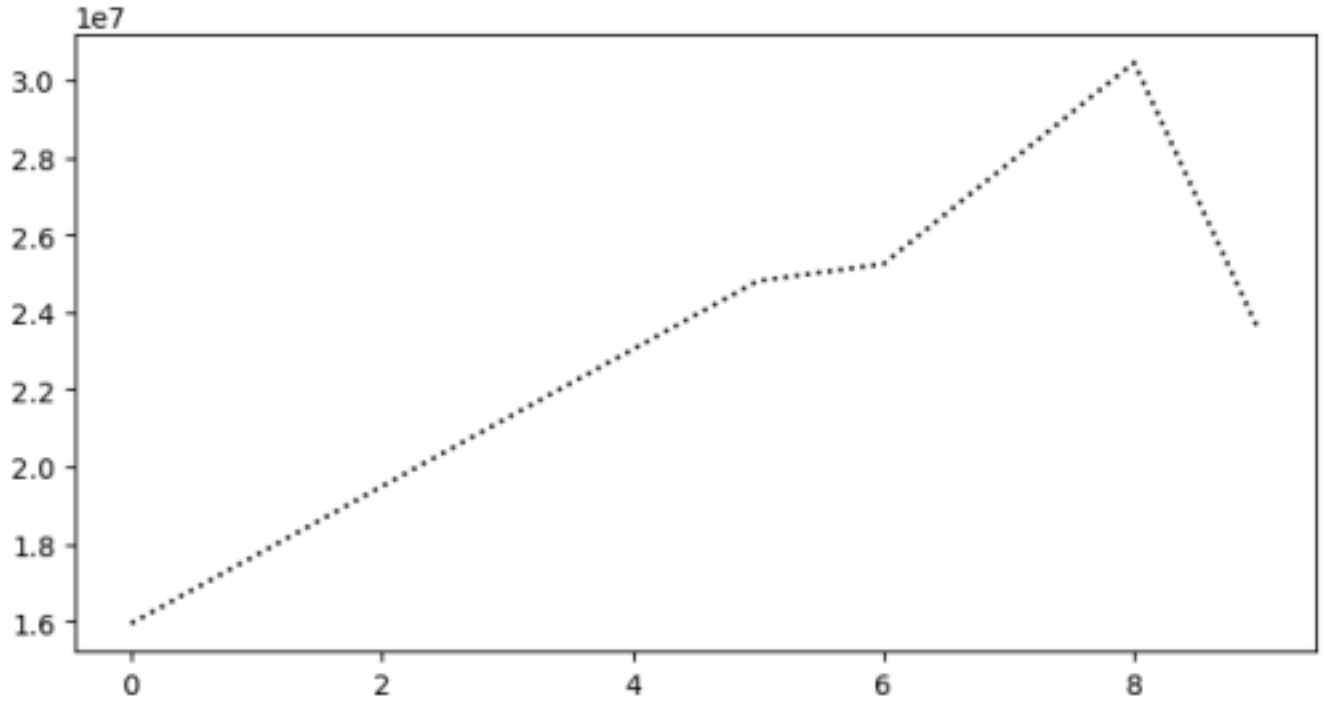
```
plt.rcParams["figure.figsize"]=8,4 # used to
change the dimensions of the graph output
```

In [25]: Out[25]:

```
plt.plot(Salary[0],color='k',ls=':')
```

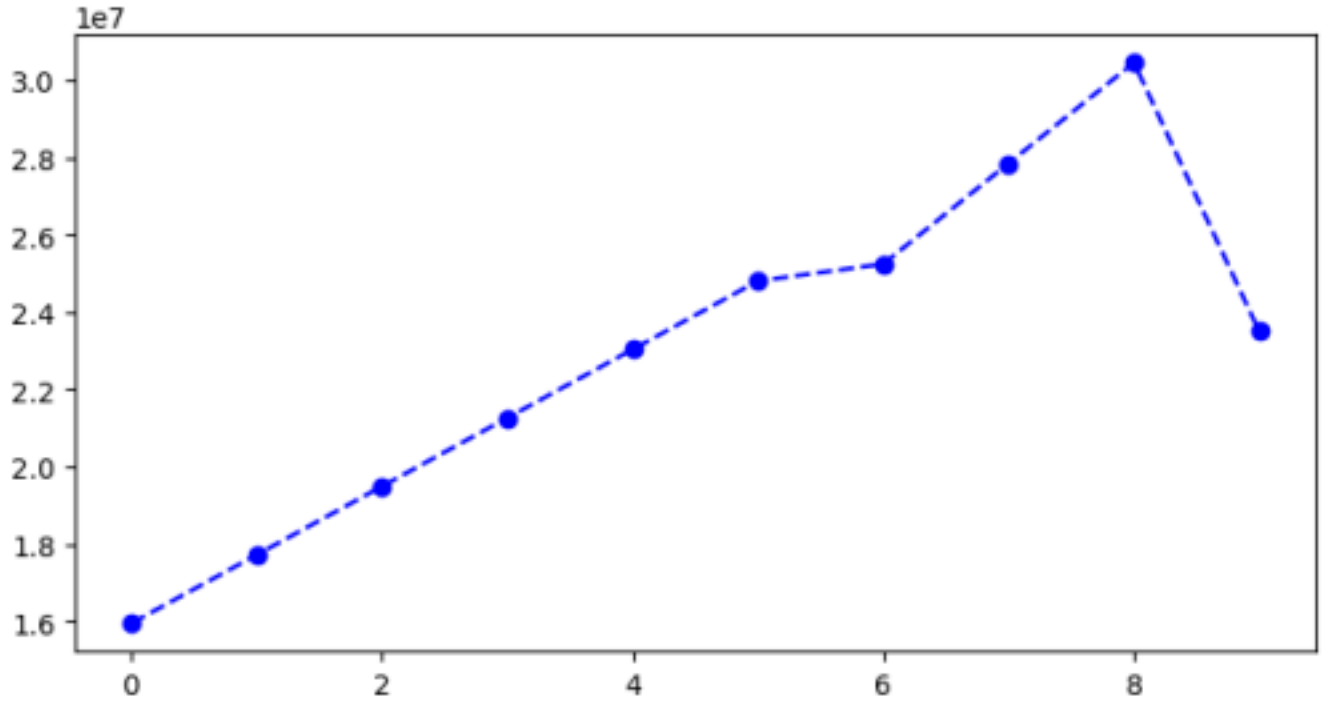
```
[<matplotlib.lines.Line2D at 0x11e10f09a30>]
```

```
%matplotlib inline
```



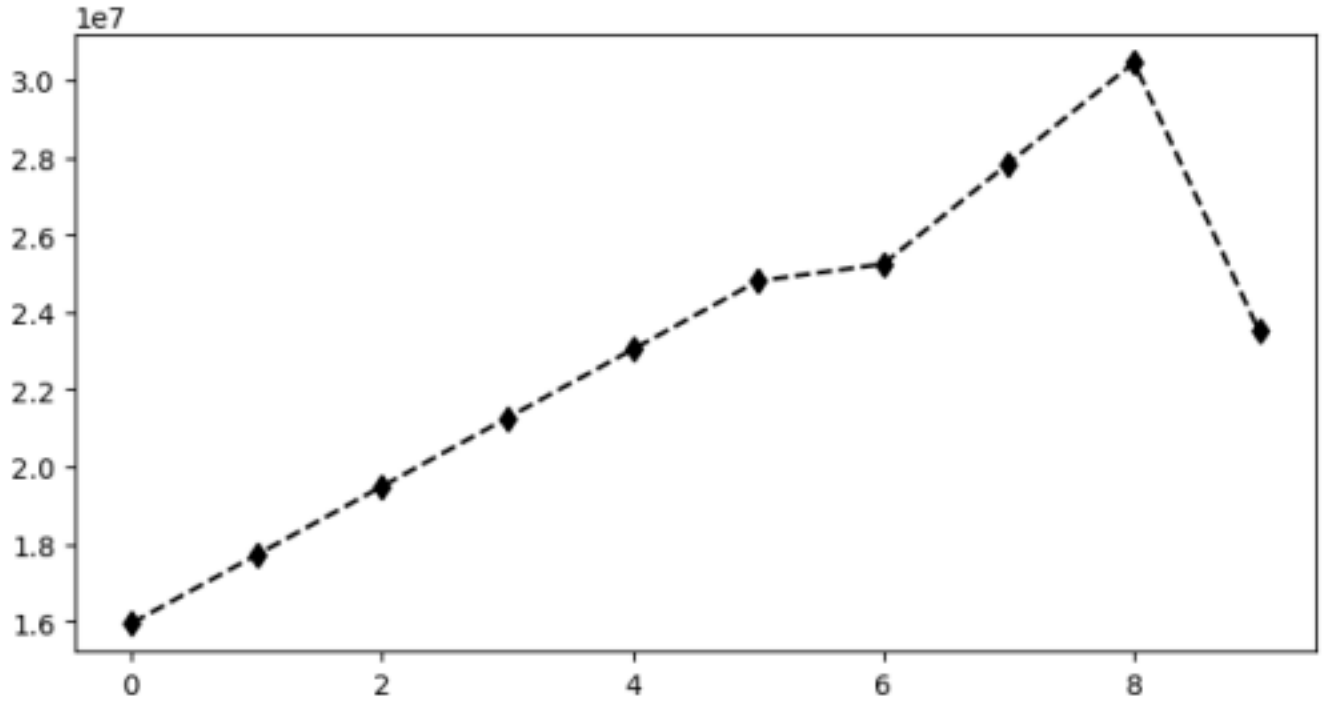
In [26]: Out[26]: [<matplotlib.lines.Line2D at 0x11e10f6e540>]

```
plt.plot(Salary[0],color='b',ls='--',marker='o')
```



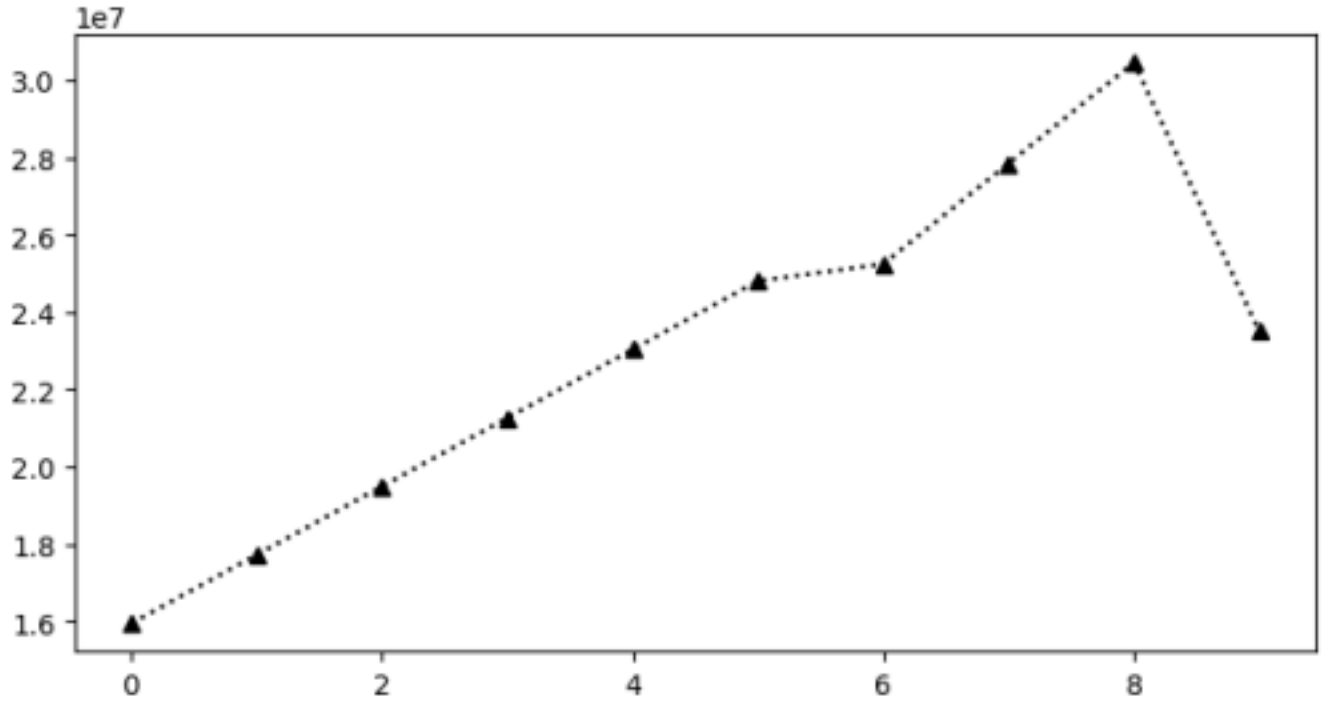
In [27]: Out[27]: [<matplotlib.lines.Line2D at 0x11e129d7320>]

```
plt.plot(Salary[0],color='k',ls='--',marker='d')
```



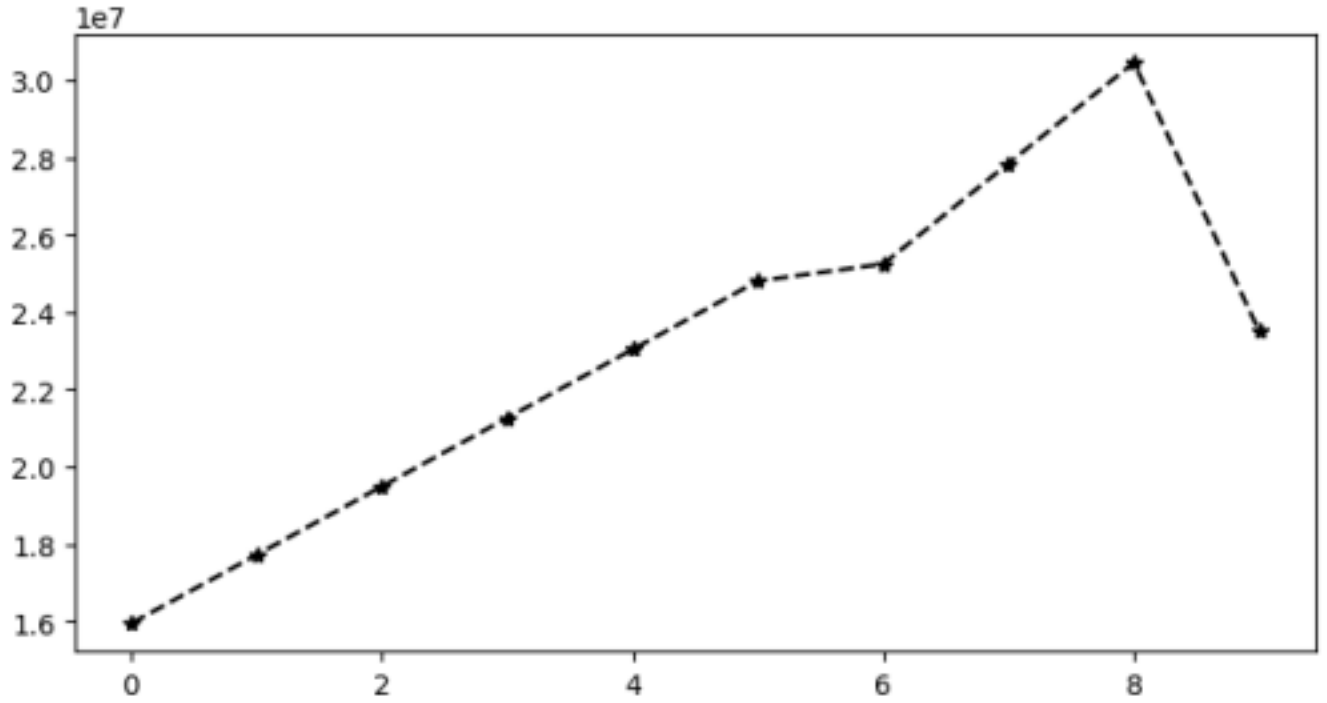
In [28]: Out[28]: [<matplotlib.lines.Line2D at 0x11e12a3f620>]

```
plt.plot(Salary[0],color='k',ls=':',marker='^')
```



In [29]: Out[29]: [<matplotlib.lines.Line2D at 0x11e12adc440>]

```
plt.plot(Salary[0],color='k',ls='--',marker='*')
```



In [30]: Out[30]:

```
[79, 78, 75, 81, 76, 79, 62,
76, 77, 69],  [80, 65, 77, 66,
69, 77, 55, 67, 77, 40],  [82,
82, 82, 79, 82, 78, 54, 76, 71,
41],  [70, 69, 67, 77, 70, 77,
57, 74, 79, 44],  [78, 64, 80,
78, 45, 80, 60, 70, 62, 82],
[35, 35, 80, 74, 82, 78, 66,
81, 81, 27],  [40, 40, 40, 81,
78, 81, 39, 0, 10, 51],  [75,
51, 51, 79, 77, 76, 49, 69, 54,
62]])
```

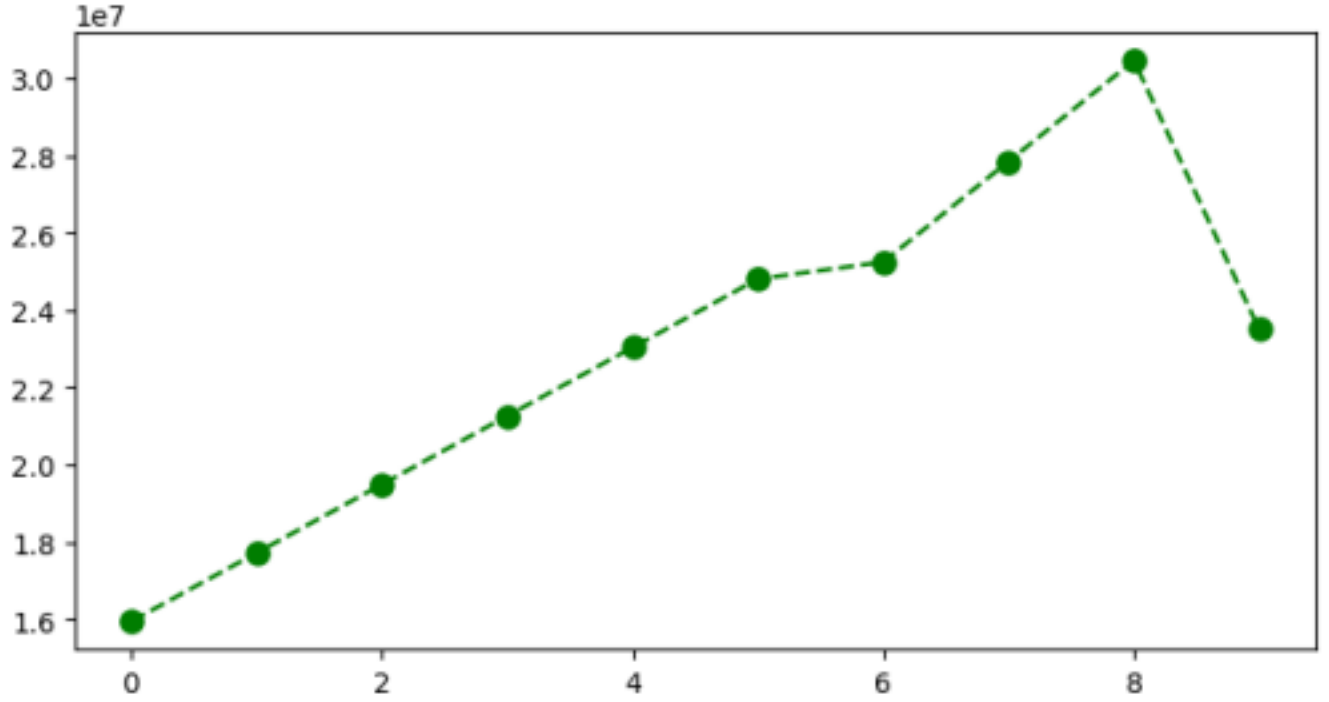
In [31]: Out[31]:

```
Games
```

```
array([[80, 77, 82, 82, 73, 82,
58, 78, 6, 35],  [82, 57, 82,
79, 76, 72, 60, 72, 79, 80],
```

```
plt.plot(Salary[0],color='g',ls
='--',marker='o',ms=8)
```

```
[<matplotlib.lines.Line2D at    0x11e12b44980>]
```



In [32]:

In [33]: Out[33]:

```
Sdict
```

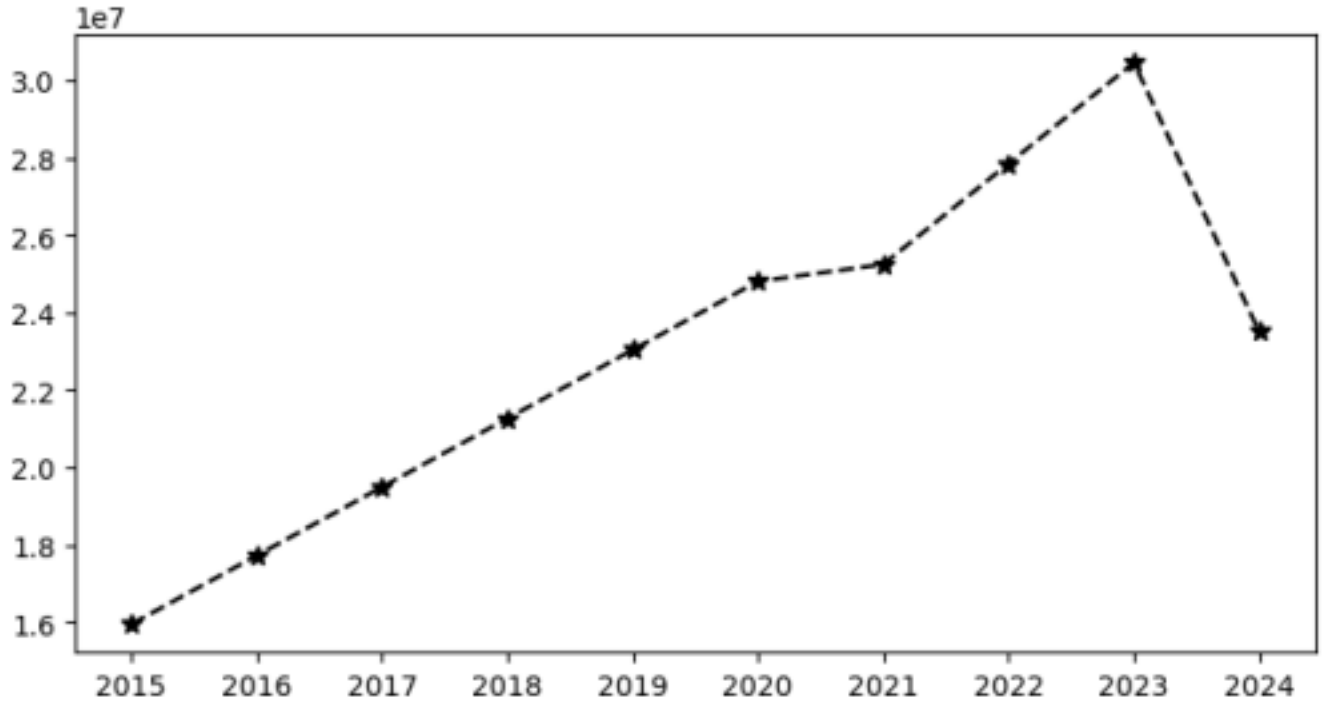
```
{'2015': 0,
'2016': 1,
'2017': 2,
'2018': 3,
'2019': 4,
'2020': 5,
'2021': 6,
'2022': 7,
'2023': 8,
'2024': 9}
```

In [34]:

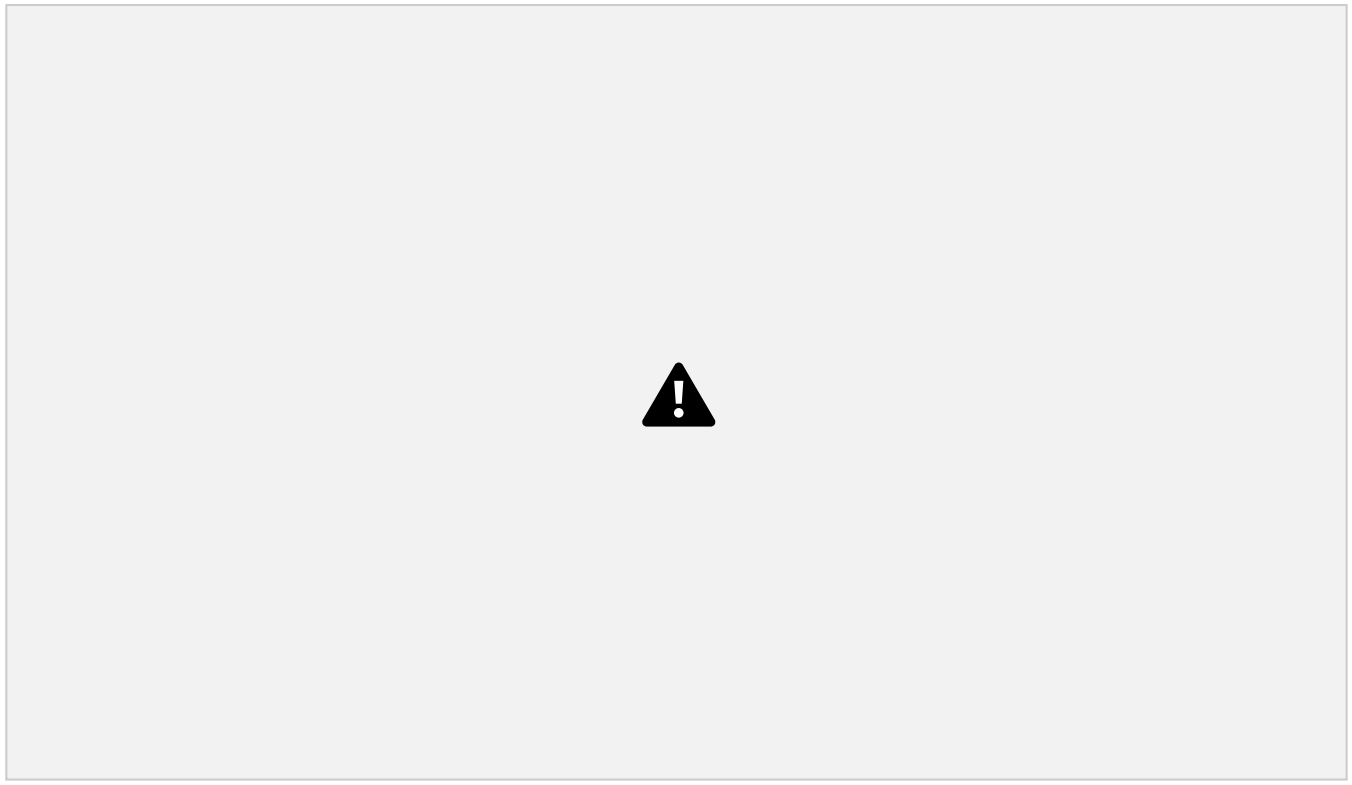
```
lst=[0,1,2,3,4,5,6,7,8,9]
```

```
plt.plot(Salary[0],color='k',ls
='--',marker='*',ms=7)
```

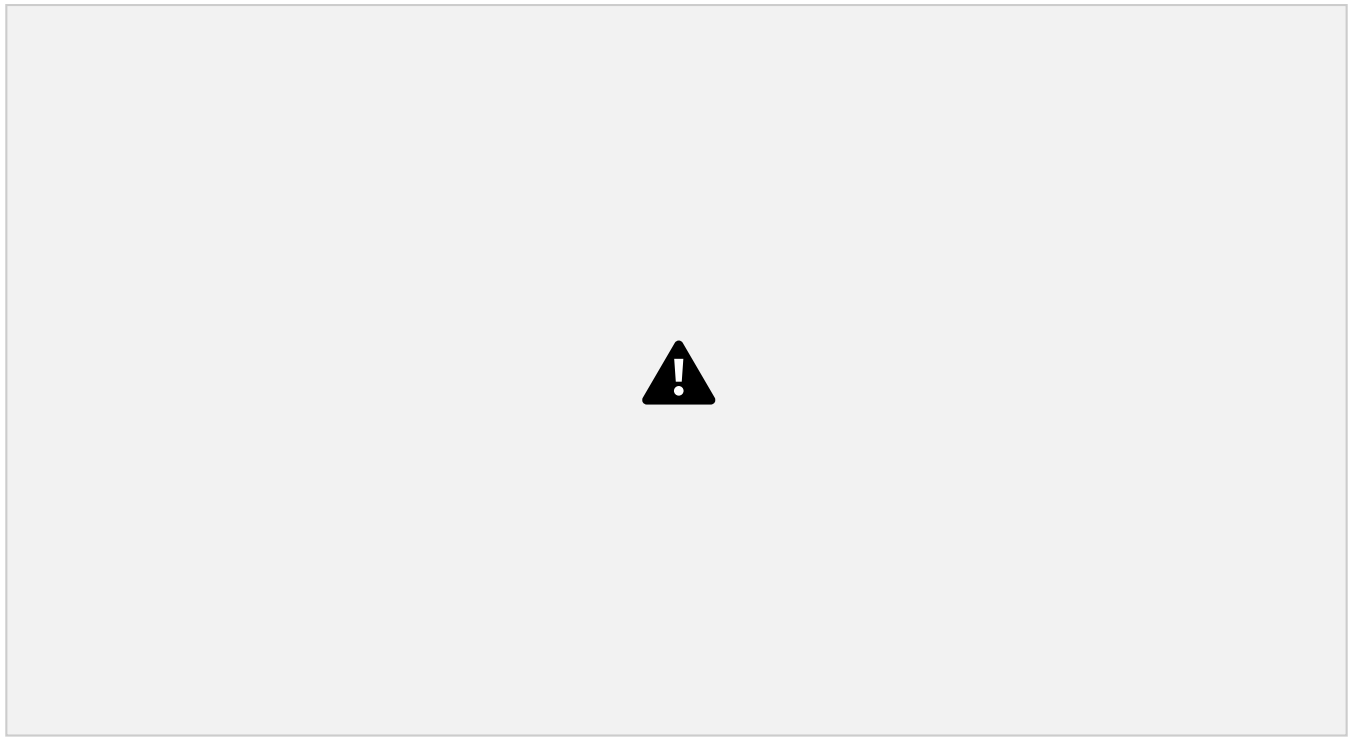
```
plt.xticks(lst,Seasons)
          plt.show()
```



In [35]:
```
plt.plot(Salary[0],color='k',ls='--',marker='*',ms=7)
                        plt.xticks(lst,Seasons,rotation='vertical') plt.show()
```



In [36]:
```
plt.plot(Salary[0],color='k',ls='--',marker='*',ms=7)
plt.xticks(lst,Seasons,rotation='horizontal')
plt.show()
```



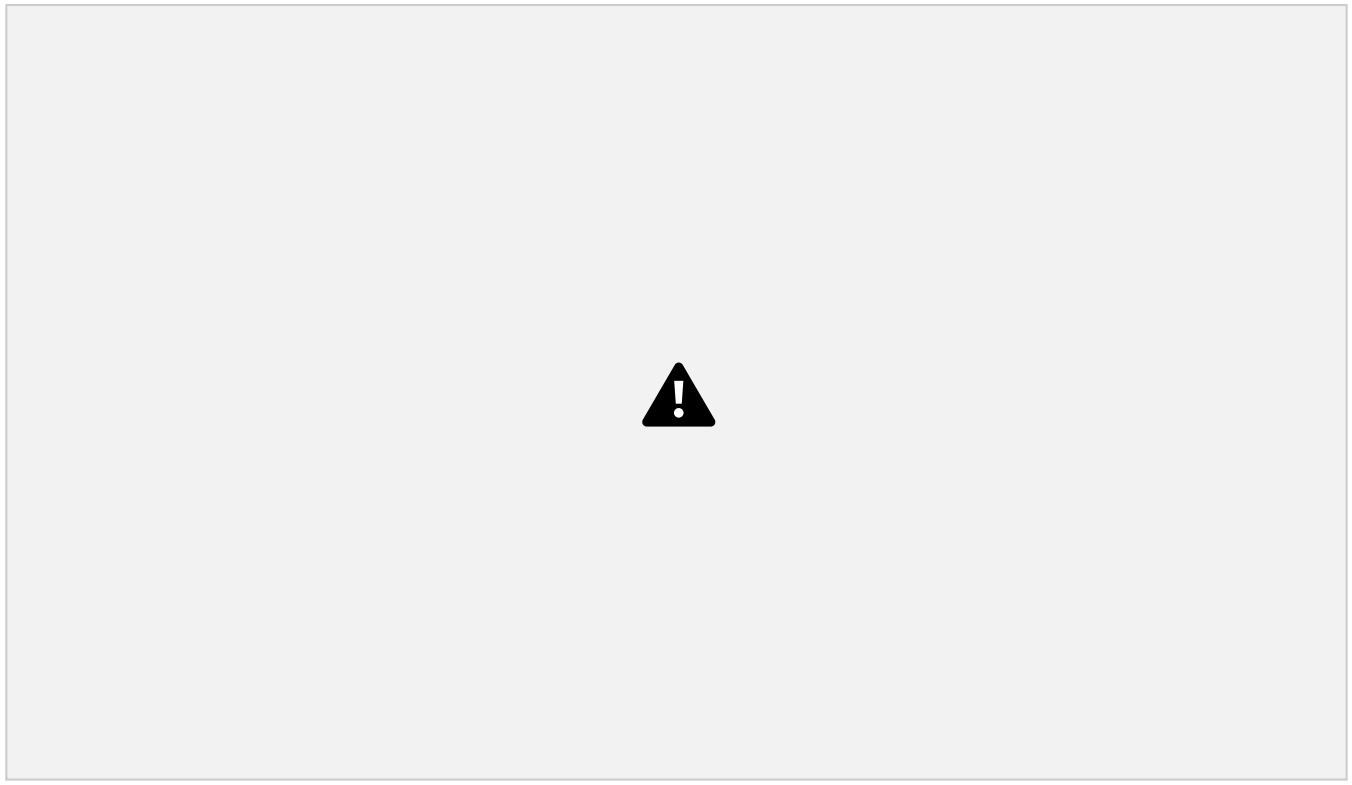
In [37]: Out[37]:

In [38]:

```
Salary[1]
```

```
array([12000000, 12744189, 13488377,
14232567, 14976754, 16324500,  18038573,
19752645, 21466718, 23180790])
```

```
plt.plot(Salary[1],color='g',ls='--',mar
ker='o',ms=10,label=Players[1])
plt.plot(Salary[0],color='k',ls='--',mar
ker='s',ms=10,label=Players[0])
plt.plot(Salary[2],color='m',ls='--',mar
ker='*',ms=10,label=Players[2])
plt.xticks(lst,Seasons,rotation='vertica
l')
plt.show()
```



In [39]: Out[39]:

```
80],
 [79, 78, 75, 81, 76, 79, 62, 76, 77,
69],
 [80, 65, 77, 66, 69, 77, 55, 67, 77,
40],
 [82, 82, 82, 79, 82, 78, 54, 76, 71,
41],
 [70, 69, 67, 77, 70, 77, 57, 74, 79,
44],
 [78, 64, 80, 78, 45, 80, 60, 70, 62,
82],
 [35, 35, 80, 74, 82, 78, 66, 81, 81,
27],
 [40, 40, 40, 81, 78, 81, 39, 0, 10,
51],
 [75, 51, 51, 79, 77, 76, 49, 69, 54,
62]])
```

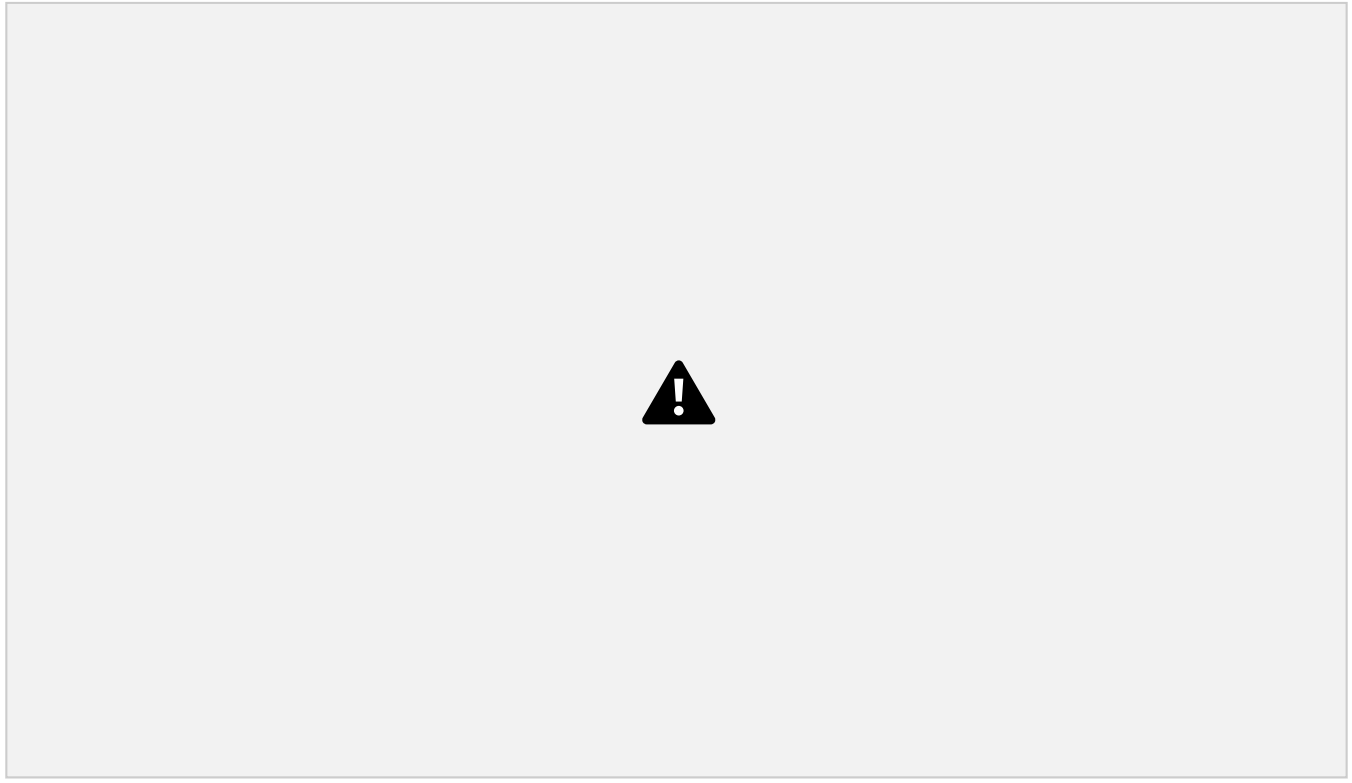
In [40]:

```
Games
```

```
array([[80, 77, 82, 82, 73, 82, 58, 78,
6, 35],
 [82, 57, 82, 79, 76, 72, 60, 72, 79,
```

```
plt.plot(Salary[1],color='g',ls='--',marker='o',ms=8,label=Players[1])
plt.plot(Salary[0],color='k',ls='--',marker='s',ms=8,label=Players[0])
plt.plot(Salary[2],color='m',ls='--',marker='*',ms=8,label=Players[2])
plt.plot(Salary[3],color='c',ls='--',marker='^',ms=8,label=Players[3])
plt.legend()

plt.xticks(lst,Seasons,rotation='vertical')
plt.show()
```



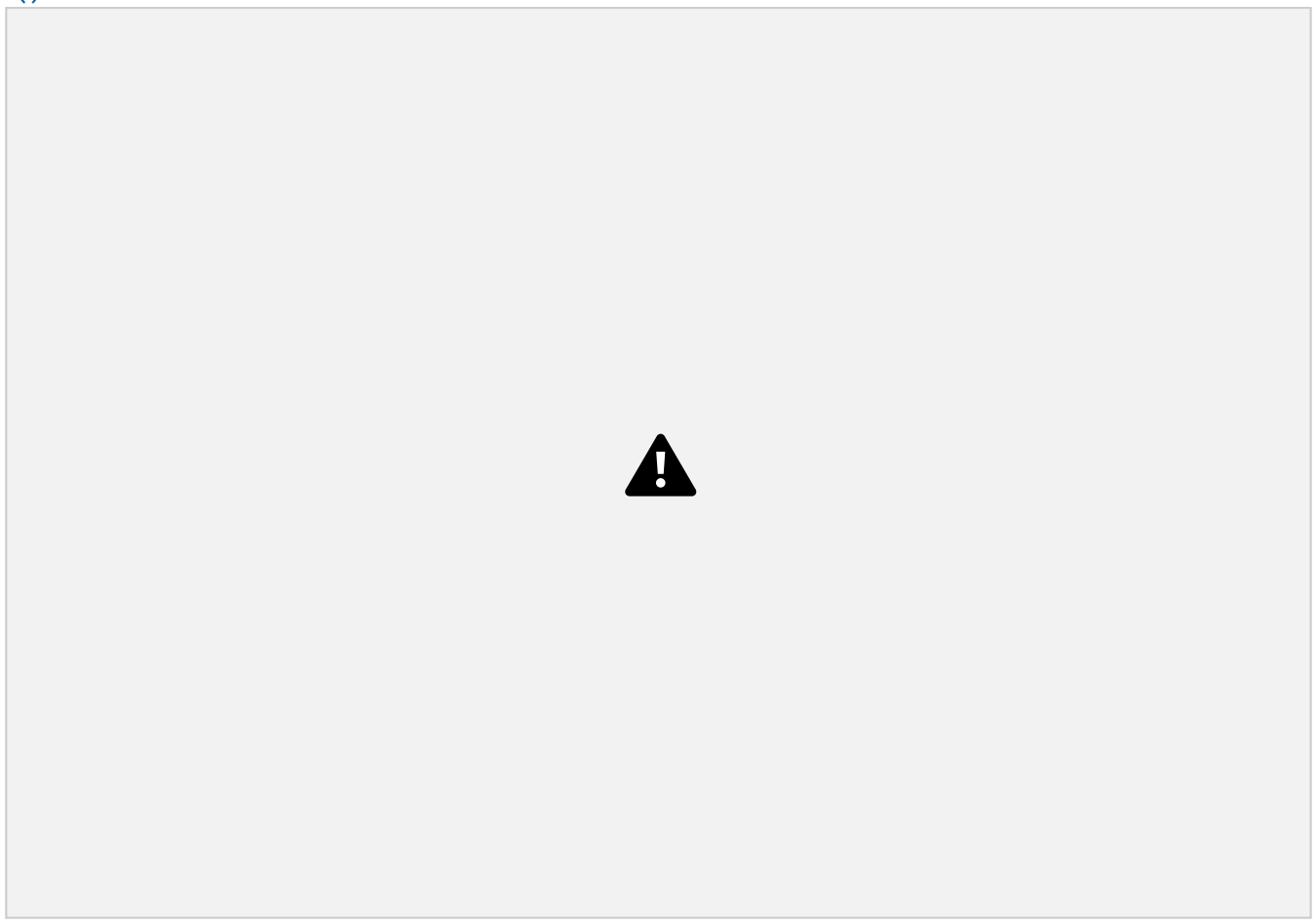
In [41]:

```
plt.plot(Salary[1],color='g',ls='--',marker='o',ms=8,label=Players[1])
plt.plot(Salary[0],color='k',ls='--',marker='s',ms=8,label=Players[0])
plt.plot(Salary[2],color='m',ls='--',marker='*',ms=8,label=Players[2])
plt.plot(Salary[3],color='c',ls='--',marker='^',ms=8,label=Players[3])

plt.legend(loc="best",bbox_to_anchor=(0.5,1))

plt.xticks(lst,Seasons,rotation='vertical')
```

```
plt.show()
```

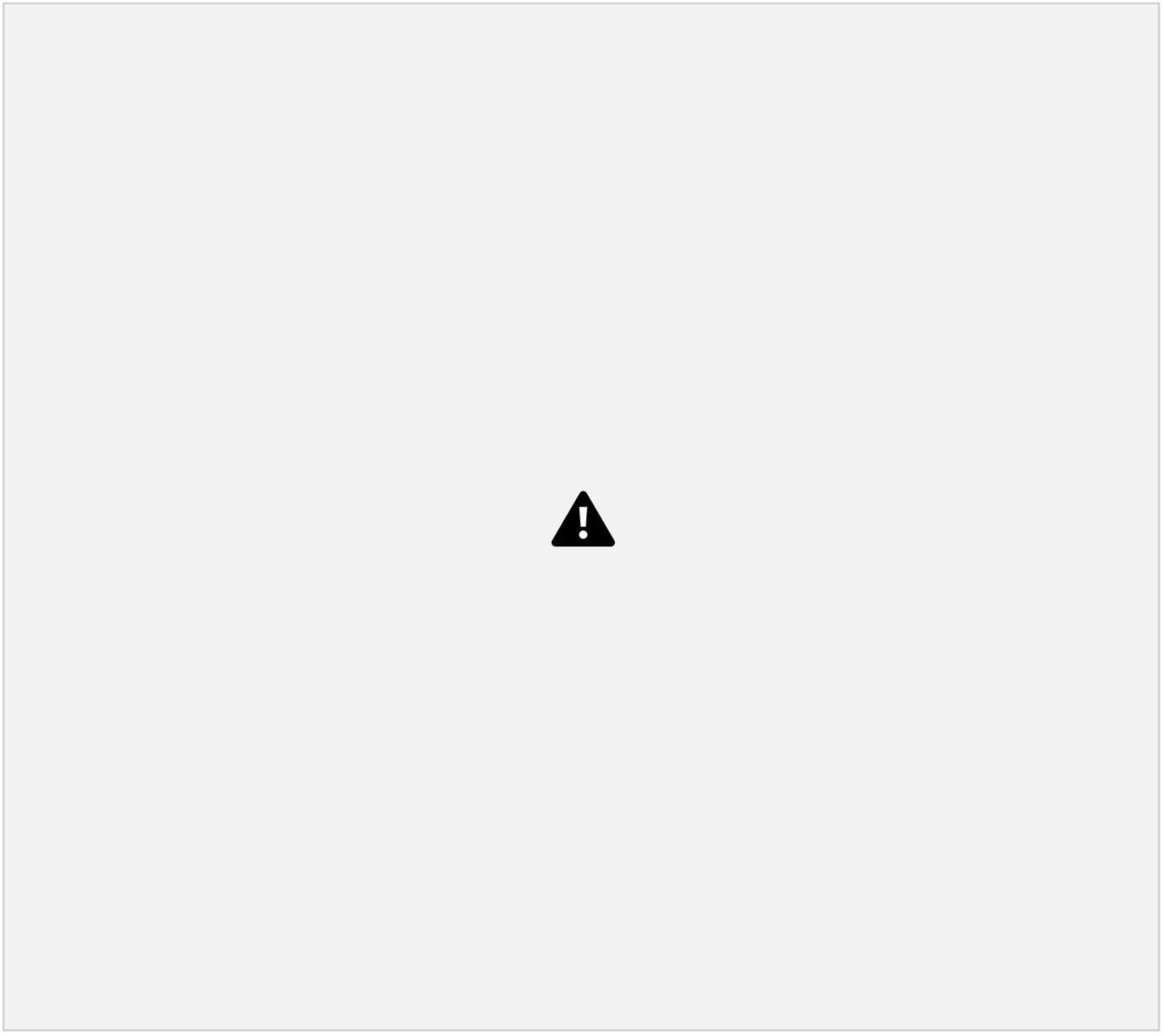


In [42]:

```
#we can visualise all players at once but the graph plotted wouldnt fetch any useful insights
plt.plot(Games[0], c='Green', ls = '--', marker = 's', ms = 7, label = Players[0]) plt.plot(Games[1], c='Blue', ls = '--', marker = 'o', ms = 7, label = Players[1]) plt.plot(Games[2], c='Green', ls = '--', marker = '^', ms = 7, label = Players[2]) plt.plot(Games[3], c='Red', ls = '--', marker = 'D', ms = 7, label = Players[3]) plt.plot(Games[4], c='Black', ls = '--', marker = 's', ms = 7, label = Players[4]) plt.plot(Games[5], c='Blue', ls = '--', marker = 'o', ms = 7, label = Players[5]) plt.plot(Games[6], c='red', ls = '--', marker = '^', ms = 7, label = Players[6]) plt.plot(Games[7], c='Green', ls = '--', marker = 'd', ms = 7, label = Players[7]) plt.plot(Games[8], c='Red', ls = '--', marker = 's', ms = 7, label = Players[8]) plt.plot(Games[9], c='Blue', ls = '--', marker = 'o', ms = 7, label = Players[9])
  plt.legend(loc = 'lower right',bbox_to_anchor=(0.5,1) )
```

```
plt.xticks(list(range(0,10)), Seasons,rotation='vertical')

plt.show()
```



In [ ]: