

```
In [15]: #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"]
Pdict = {"Sachin":0,"Rahul":1,"Smith":2,"Sami":3,"Pollard":4,"Morris":5,"Samson":6,"Kohli":7}

#Salaries
Sachin_Salary = [15946875,17718750,19490625,21262500,23034375,24806250,25244493,27850000,30500000,34200000,38000000,41800000,45600000,49400000,53200000,57000000,60800000]
Rahul_Salary = [12000000,12744189,13488377,14232567,14976754,16324500,18038573,19750000,21500000,23250000,25000000,26750000,28500000,30250000,32000000,33750000,35500000,37250000]
Smith_Salary = [4621800,5828090,13041250,14410581,15779912,14500000,16022500,17545000,19025000,20500000,22000000,23500000,25000000,26500000,28000000,29500000,31000000,32500000,34000000]
Sami_Salary = [3713640,4694041,13041250,14410581,15779912,17149243,18518574,19450000,20350000,21250000,22150000,23050000,23950000,24850000,25750000,26650000,27550000,28450000,29350000]
Pollard_Salary = [4493160,4806720,6061274,13758000,15202590,16647180,18091770,19536000,21000000,22500000,24000000,25500000,27000000,28500000,30000000,31500000,33000000,34500000,36000000]
Morris_Salary = [3348000,4235220,12455000,14410581,15779912,14500000,16022500,17545000,19025000,20500000,22000000,23500000,25000000,26500000,28000000,29500000,31000000,32500000,34000000,35500000]
Samson_Salary = [3144240,3380160,3615960,4574189,13520500,14940153,16359805,17779450,19250000,20750000,22250000,23750000,25250000,26750000,28250000,29750000,31250000,32750000,34250000]
Dhoni_Salary = [0,0,4171200,4484040,4796880,6053663,15506632,16669630,17832627,18990000,20500000,22000000,23500000,25000000,26500000,28000000,29500000,31000000,32500000,34000000]
Kohli_Salary = [0,0,0,4822800,5184480,5546160,6993708,16402500,17632688,18862875]
Sky_Salary = [3031920,3841443,13041250,14410581,15779912,14200000,15691000,17182000]

#Matrix
Salary = np.array([Sachin_Salary, Rahul_Salary, Smith_Salary, Sami_Salary, Pollard_Salary, Morris_Salary, Samson_Salary, Dhoni_Salary, Kohli_Salary, Sky_Salary])

#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])

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

```
In [16]: Salary      # martrix format
```

```
Out[16]: 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 [17]: Games      # Building your first matrix -
```

```
Out[17]: 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]])
```

```
In [18]: Points
```

```
Out[18]: 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 [19]: Games
```

```
Out[19]: 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]])
```

```
In [20]: Games[1]
```

```
Out[20]: array([82, 57, 82, 79, 76, 72, 60, 72, 79, 80])
```

```
In [21]: Games[0:6]
```

```
Out[21]: 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]])
```

```
In [22]: Games[0,6]
```

```
Out[22]: 58
```

```
In [23]: Salary
```

```
Out[23]: 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 [24]: Games
```

```
Out[24]: 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]])
```

```
In [25]: Salary/Games
```

```
C:\Users\sande\AppData\Local\Temp\ipykernel_7700\3709746658.py:1: RuntimeWarning: di  
vide by zero encountered in divide  
    Salary/Games
```

```
Out[25]: array([[ 199335.9375 ,  230113.63636364,  237690.54878049,
   259298.7804878 ,  315539.38356164,  302515.24390244,
   435249.87931034,  357040.37179487,  5075634.16666667,
   671428.57142857],
 [ 146341.46341463,  223582.26315789,  164492.40243902,
  180159.07594937,  197062.55263158,  226729.16666667,
  300642.88333333,  274342.29166667,  271730.60759494,
  289759.875     ],
 [ 58503.79746835,  74719.1025641 ,  173883.33333333,
  177908.40740741,  207630.42105263,  183544.30379747,
  258427.41935484,  230855.26315789,  247629.87012987,
  299194.20289855],
 [ 46420.5      ,  72216.01538462,  169366.88311688,
  218342.13636364,  228694.37681159,  222717.44155844,
  336701.34545455,  290298.50746269,  291006.15584416,
  561450.      ],
 [ 54794.63414634,  58618.53658537,  73917.97560976,
  174151.89873418,  185397.43902439,  213425.38461538,
  335032.77777778,  257057.36842105,  288918.      ,
  522835.87804878],
 [ 47828.57142857,  61380.      ,  185895.52238806,
  187150.4025974 ,  225427.31428571,  188311.68831169,
  281096.49122807,  237094.59459459,  241360.75949367,
  469190.90909091],
 [ 40310.76923077,  52815.      ,  45199.5      ,
  58643.44871795,  300455.55555556,  186751.9125      ,
  272663.41666667,  253992.25714286,  301103.72580645,
  244738.57317073],
 [ 0.      ,  0.      ,  52140.      ,
  60595.13513514,  58498.53658537,  77611.06410256,
  234948.96969697,  205797.90123457,  220155.88888889,
  703541.62962963],
 [ 0.      ,  0.      ,  0.      ,
  59540.74074074,  66467.69230769,  68471.11111111,
  179325.84615385,  inf,  1763268.8      ,
  369860.29411765],
 [ 40425.6      ,  75322.41176471,  255710.78431373,
  182412.41772152,  204933.92207792,  186842.10526316,
  320224.48979592,  249014.49275362,  345796.2962963 ,
  241935.48387097]])
```

```
In [26]: np.round(Salary//Games)
```

```
C:\Users\sande\AppData\Local\Temp\ipykernel_7700\3663165759.py:1: RuntimeWarning: divide by zero encountered in floor_divide
np.round(Salary//Games)
```

```
Out[26]: 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,  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 [27]: import warnings
warnings.filterwarnings('ignore')
#we are using above code to ignore unknown error cause by os updation on monthly
```

```
-----
AssertionError                                         Traceback (most recent call last)
Cell In[27], line 2
      1 import warnings
----> 2 warnings.filterwarnings('ignore')

File ~\anaconda3\Lib\warnings.py:145, in filterwarnings(action, message, category, m
odule, lineno, append)
    133 def filterwarnings(action, message="", category=Warning, module="", lineno=
0,
                           append=False):
    134     """Insert an entry into the list of warnings filters (at the front).
    135
    136     'action' -- one of "error", "ignore", "always", "default", "module",
(...),
    143     'append' -- if true, append to the list of filters
    144     """
--> 145     assert action in ("error", "ignore", "always", "default", "module",
    146                     "once"), "invalid action: %r" % (action,)
    147     assert isinstance(message, str), "message must be a string"
    148     assert isinstance(category, type), "category must be a class"

AssertionError: invalid action: 'ingore'
```

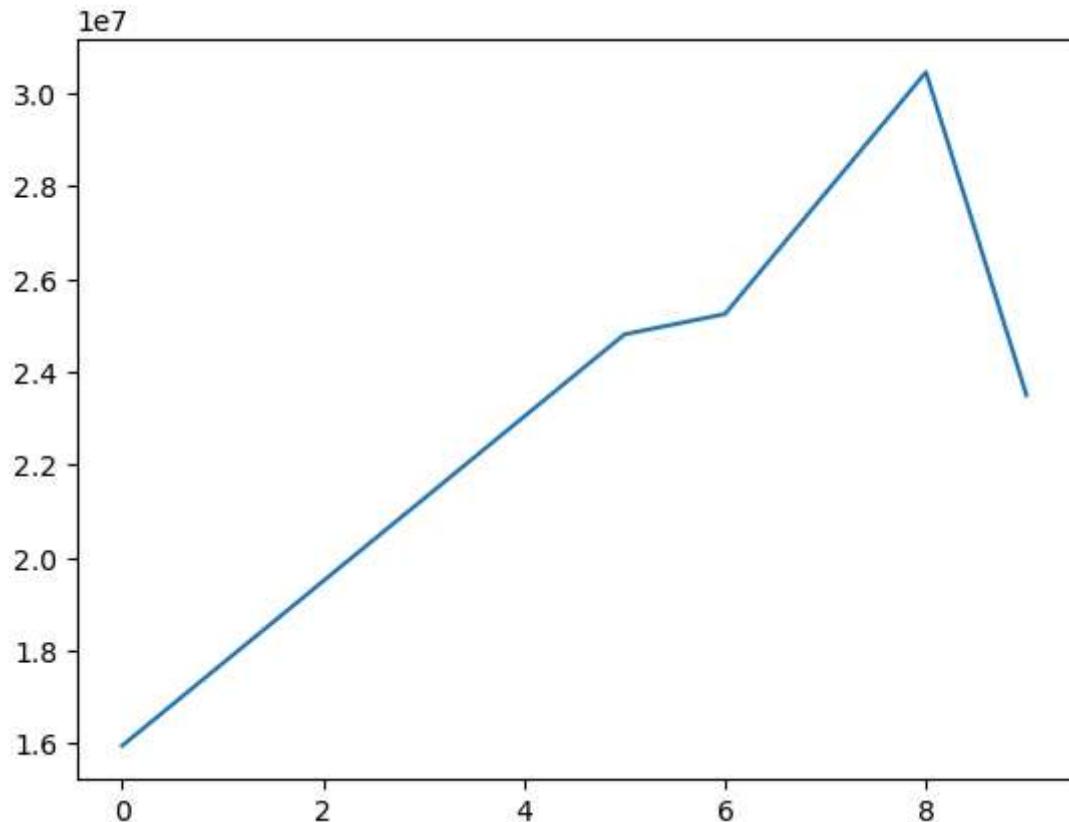
```
In [28]: import matplotlib.pyplot as plt
import numpy as np
```

```
In [29]: Salary[0]
```

```
Out[29]: array([15946875, 17718750, 19490625, 21262500, 23034375, 24806250,  
   25244493, 27849149, 30453805, 23500000])
```

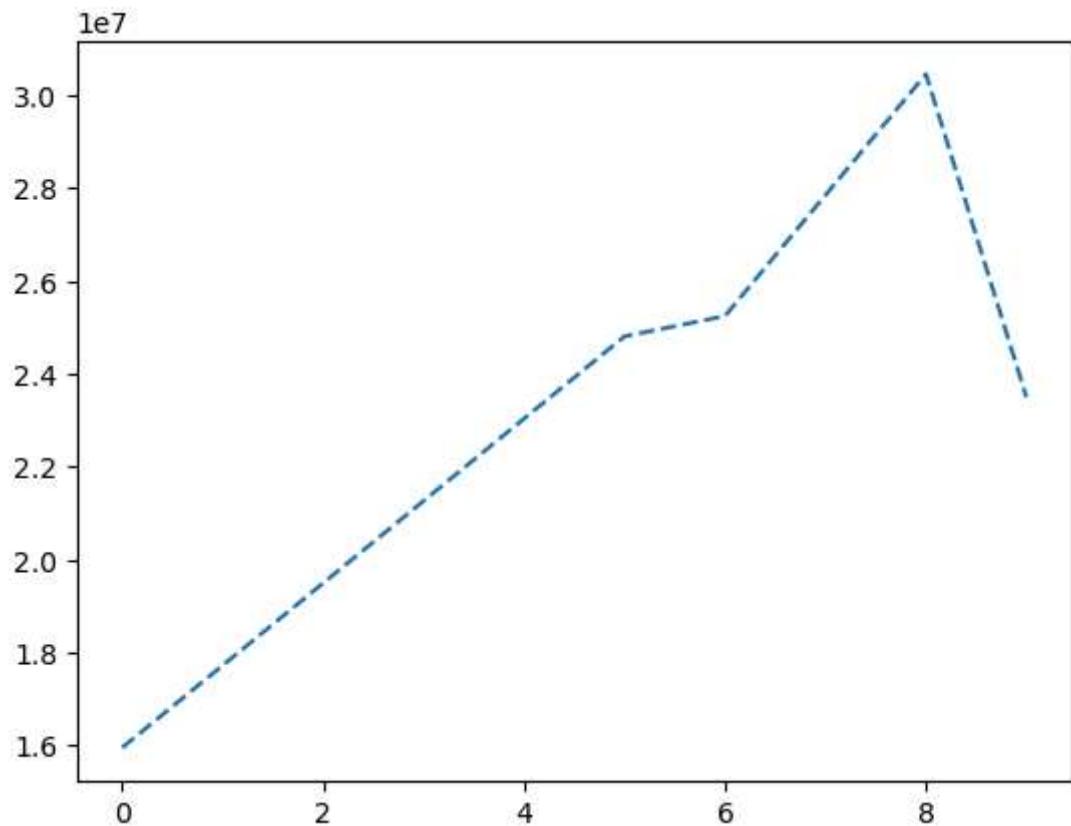
```
In [30]: plt.plot(Salary[0])
```

```
Out[30]: [
```



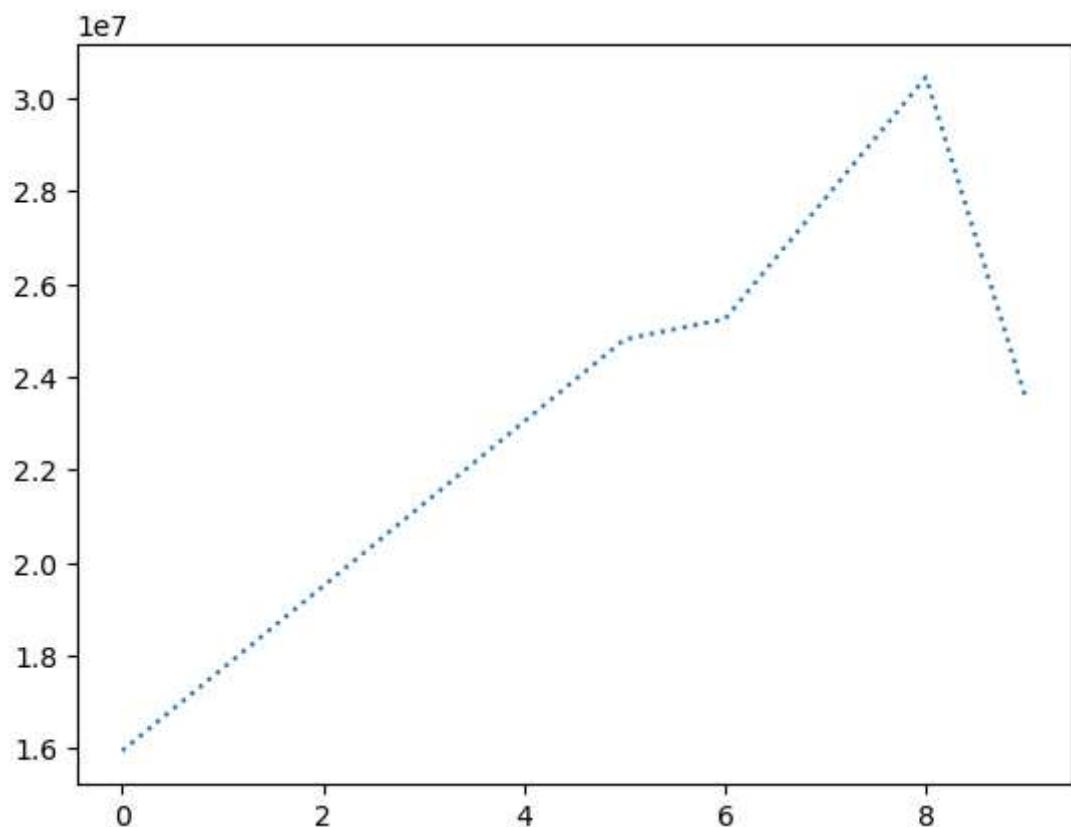
```
In [31]: plt.plot(Salary[0], ls='--')
```

```
Out[31]: [
```



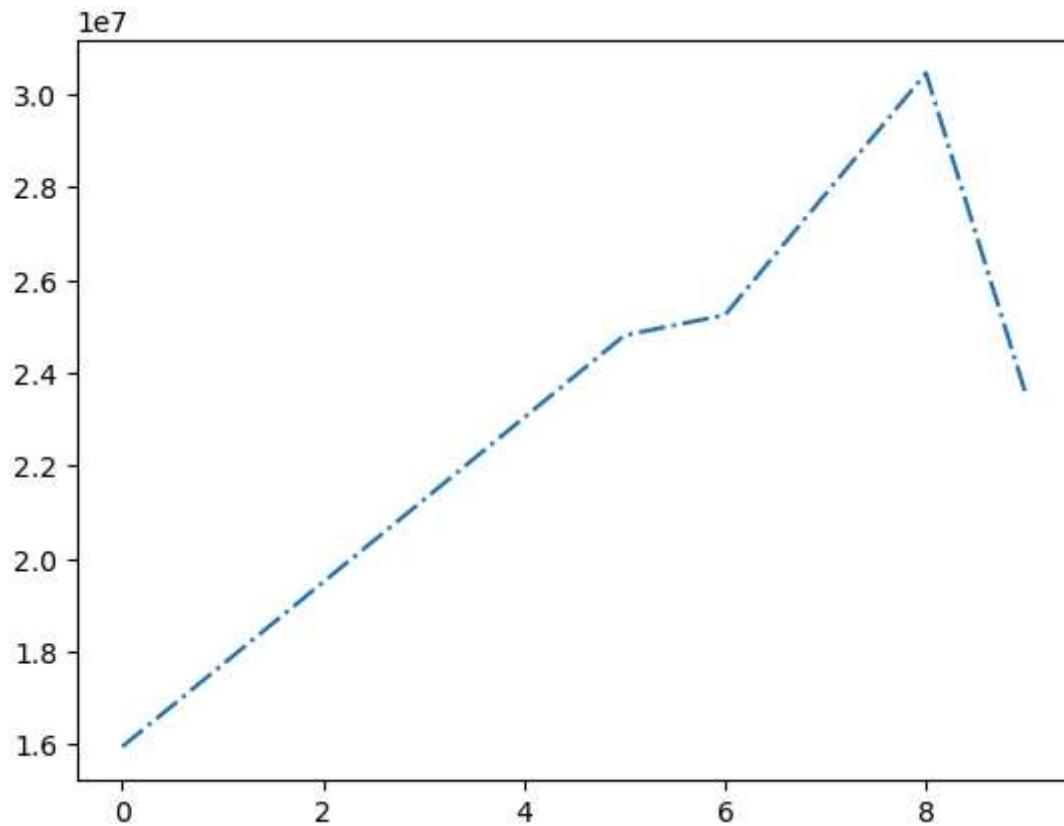
```
In [32]: plt.plot(Salary[0], ls=':')
```

```
Out[32]: [<matplotlib.lines.Line2D at 0x23e4418c680>]
```



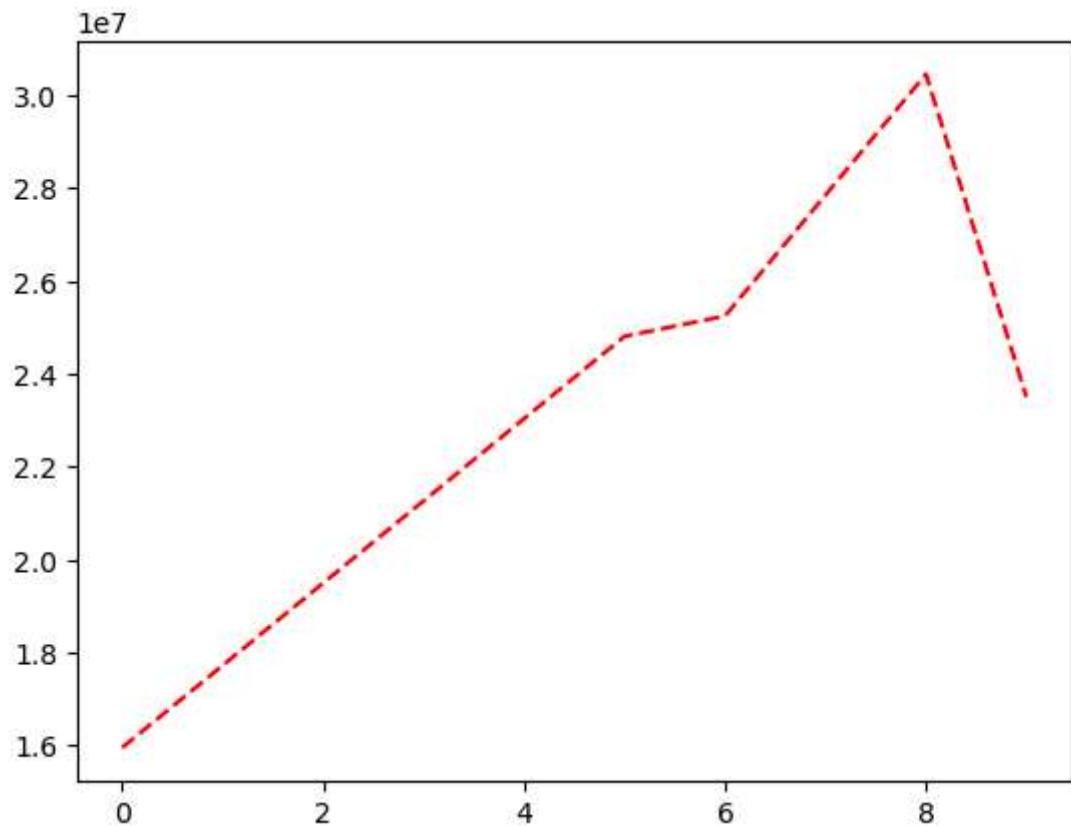
```
In [33]: plt.plot(Salary[0],ls= '-.')
```

```
Out[33]: [
```



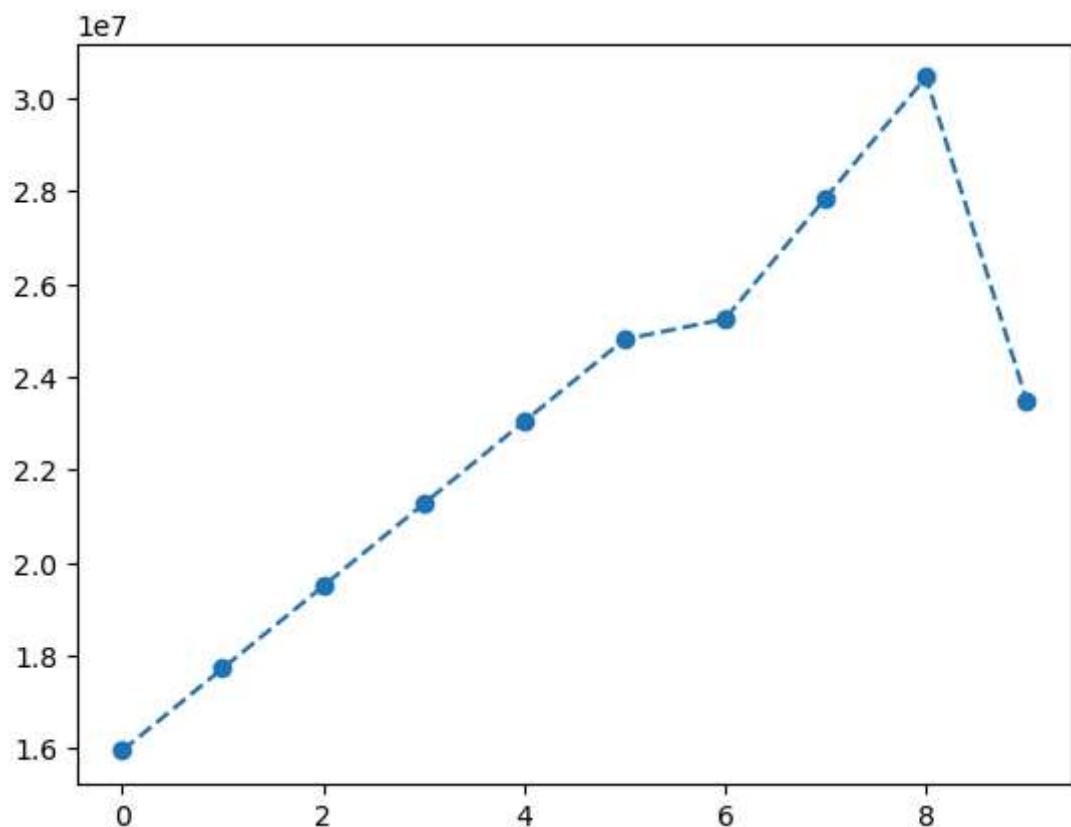
```
In [34]: plt.plot(Salary[0],ls='--', color= 'red')
```

```
Out[34]: [
```



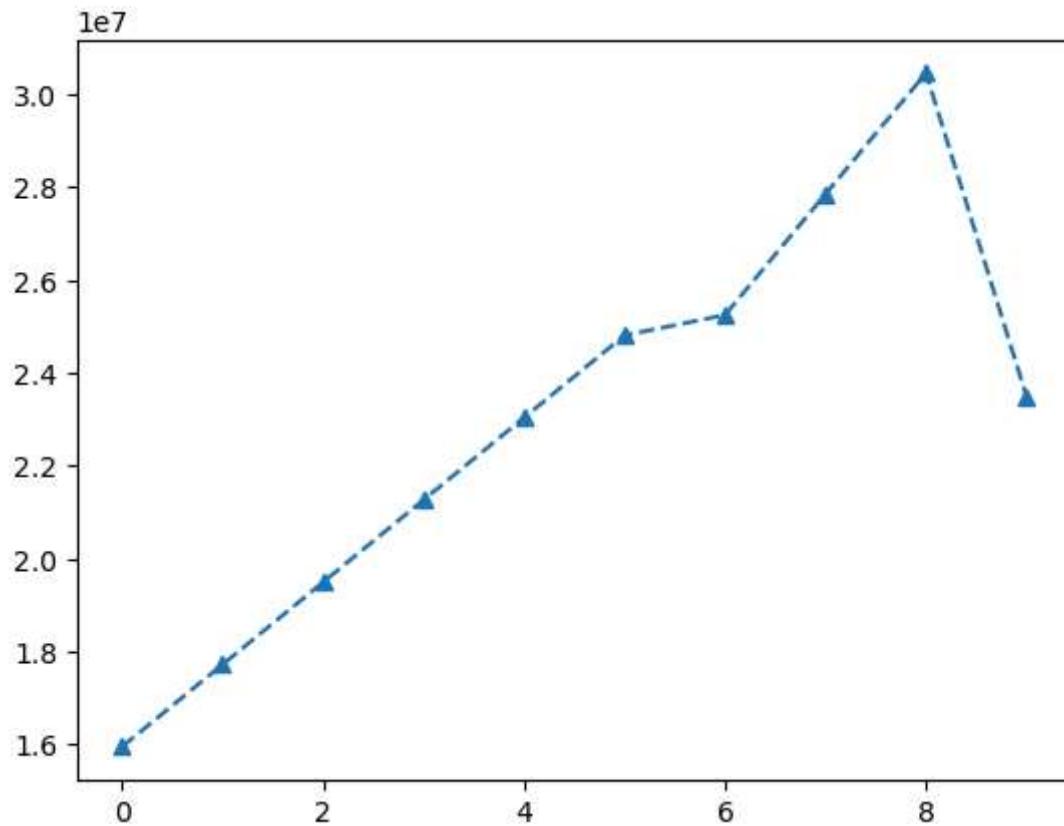
```
In [35]: plt.plot(Salary[0],ls='--',marker='o')
```

```
Out[35]: [<matplotlib.lines.Line2D at 0x23e442f0800>]
```



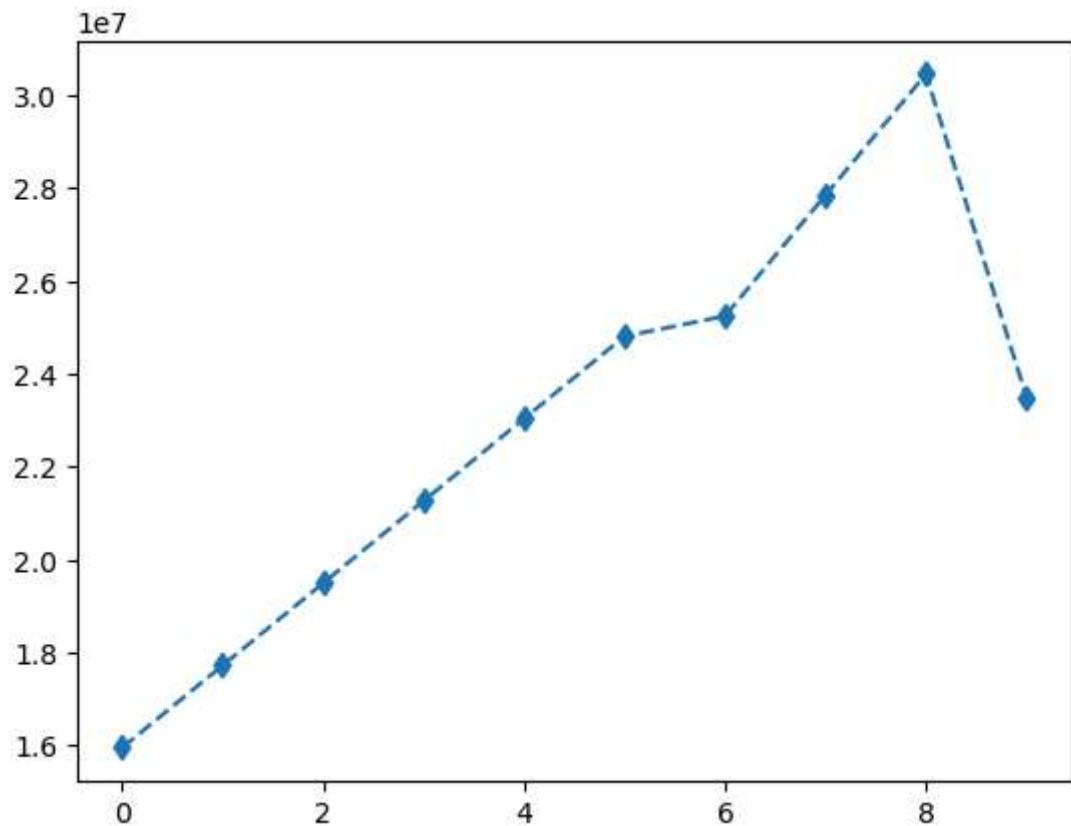
```
In [36]: plt.plot(Salary[0],ls='--',marker='^')
```

```
Out[36]: [
```



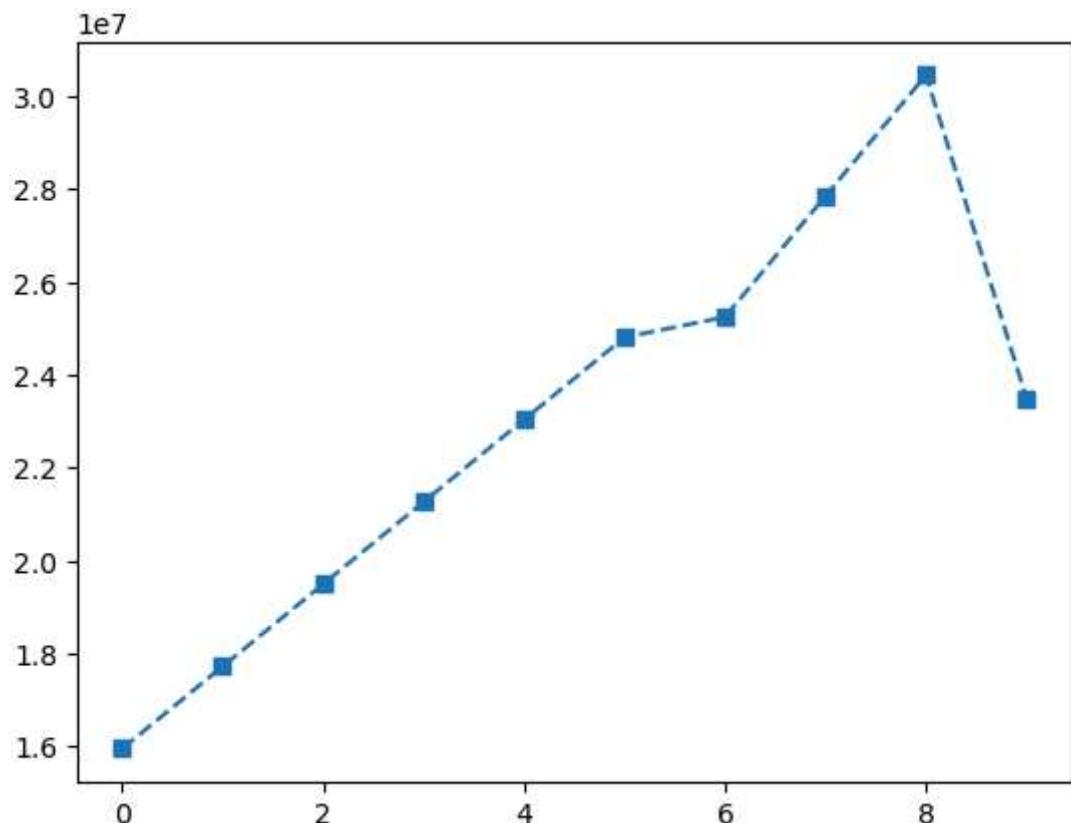
```
In [37]: plt.plot(Salary[0],ls='--',marker='d')
```

```
Out[37]: [
```



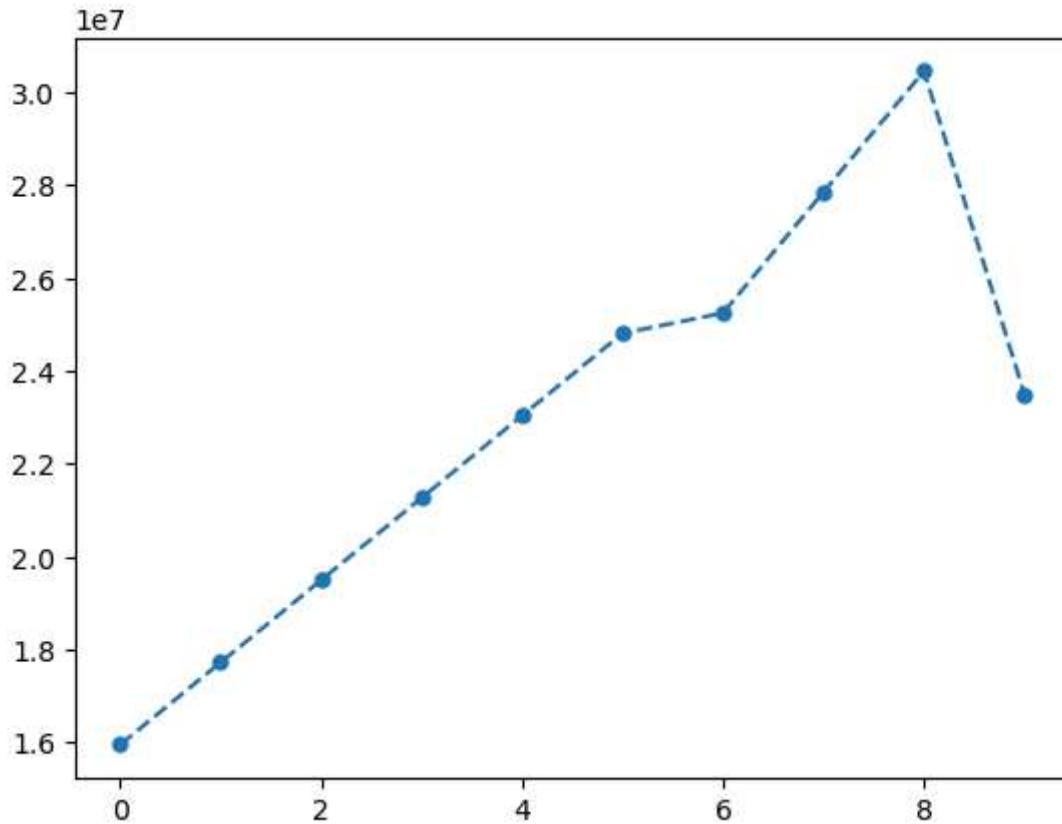
```
In [39]: plt.plot(Salary[0],ls='--',marker='s')      # s - squares
```

```
Out[39]: [<matplotlib.lines.Line2D at 0x23e454e4b90>]
```



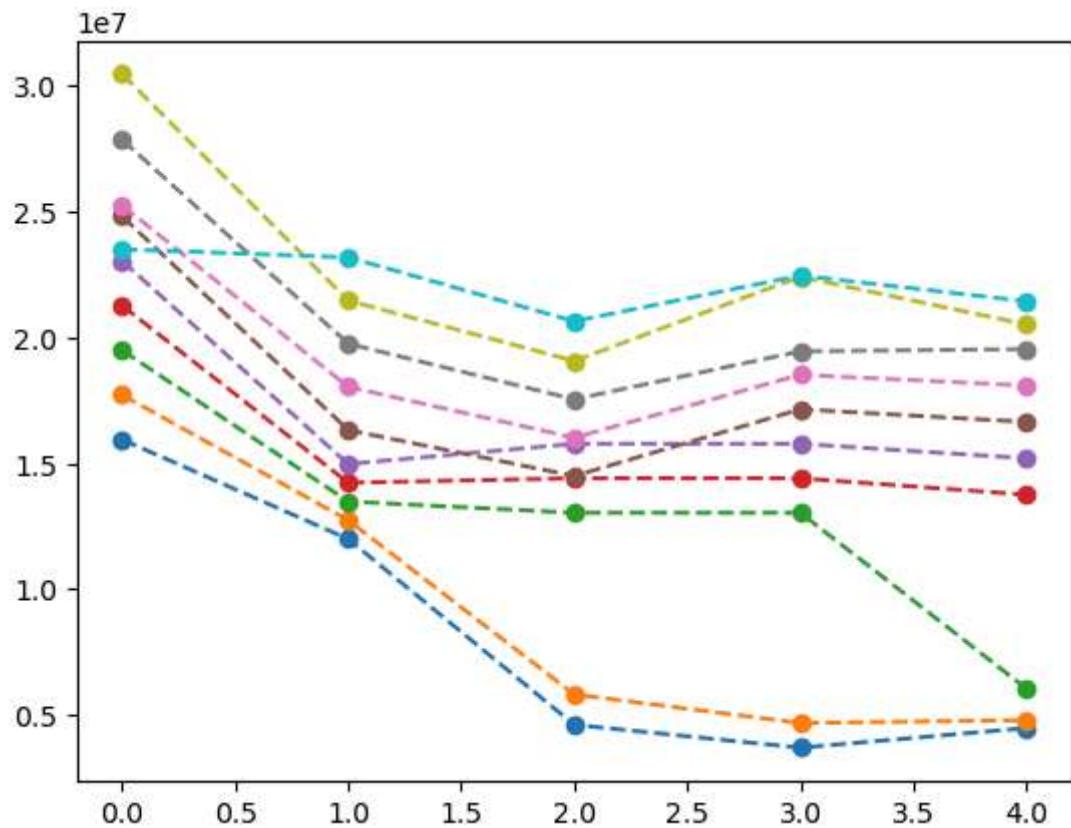
```
In [40]: plt.plot(Salary[0],ls='--',marker='o',ms = 5)
```

```
Out[40]: []
```



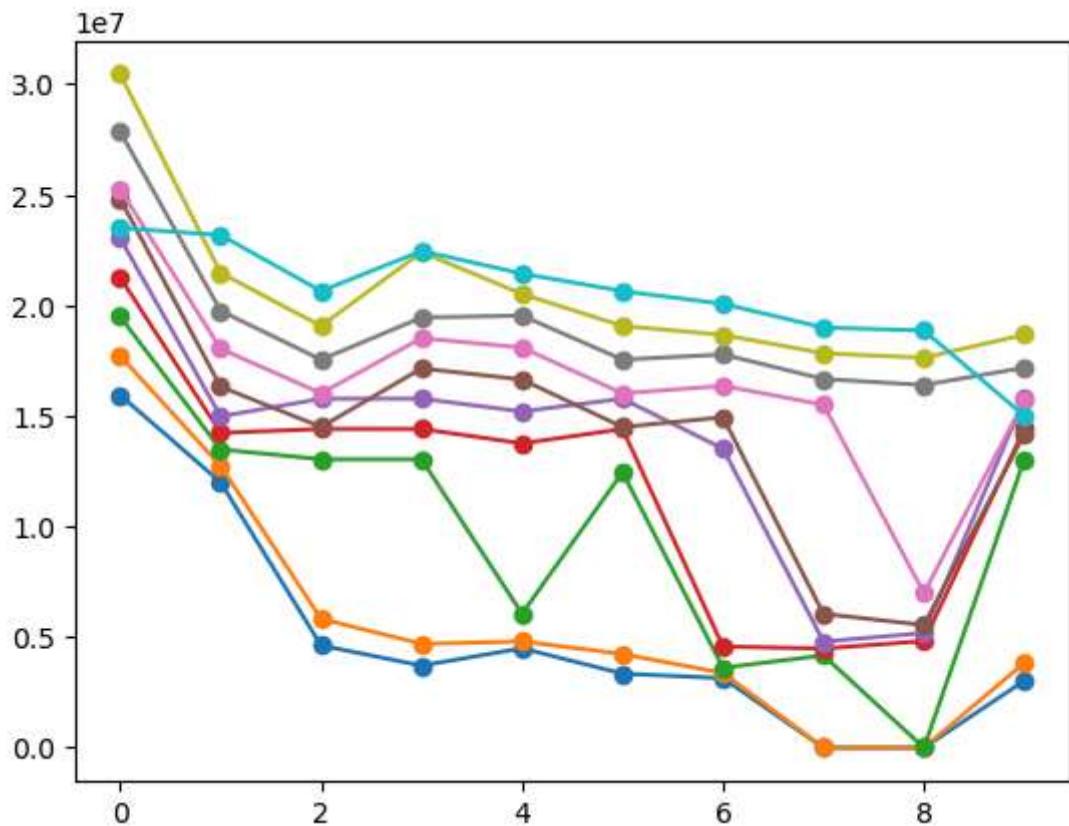
```
In [41]: plt.plot(Salary[0:5],ls='--',marker='o')
```

```
Out[41]: [
```



```
In [42]: plt.plot(Salary[0:10], ls='--', marker='o')
```

```
Out[42]: [
```



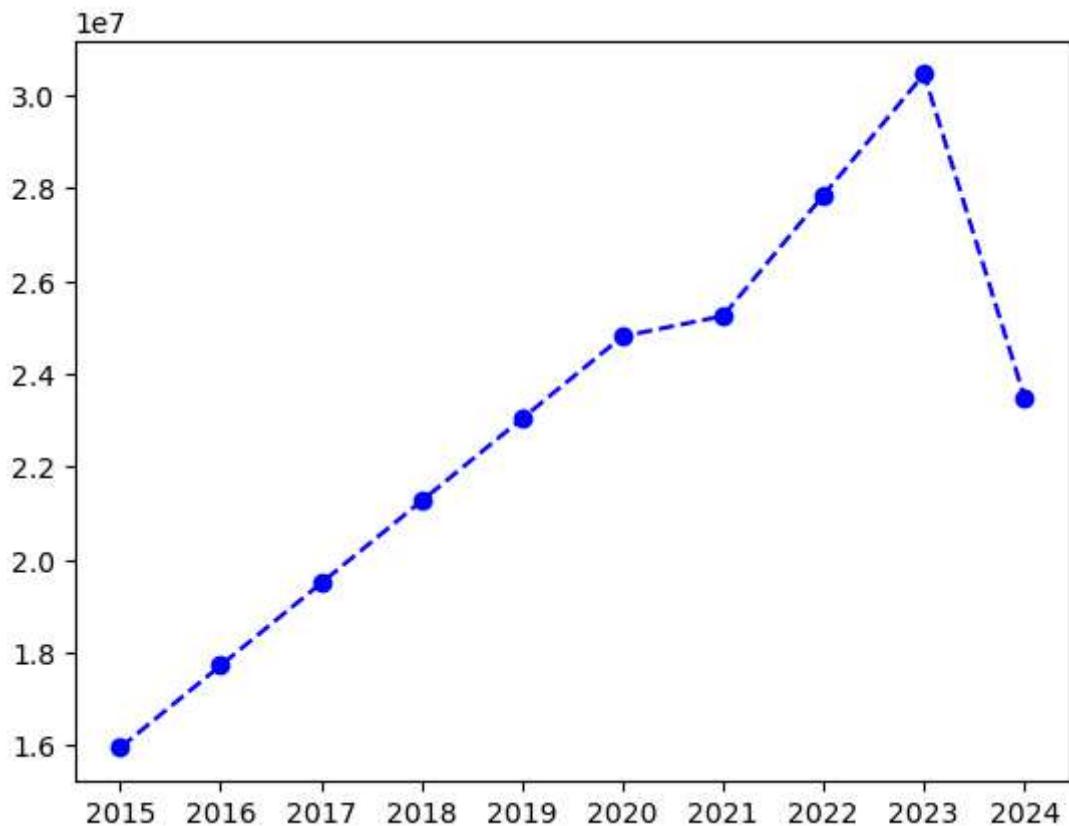
In [43]: Sdict

```
Out[43]: {'2015': 0,
 '2016': 1,
 '2017': 2,
 '2018': 3,
 '2019': 4,
 '2020': 5,
 '2021': 6,
 '2022': 7,
 '2023': 8,
 '2024': 9}
```

In [44]: Pdict

```
Out[44]: {'Sachin': 0,
 'Rahul': 1,
 'Smith': 2,
 'Sami': 3,
 'Pollard': 4,
 'Morris': 5,
 'Samson': 6,
 'Dhoni': 7,
 'Kohli': 8,
 'Sky': 9}
```

```
In [45]: plt.plot(Salary[0], c='blue', ls = '--', marker = 'o', ms = 6)
plt.xticks(list(range(0,10)),Seasons)
plt.show()
```



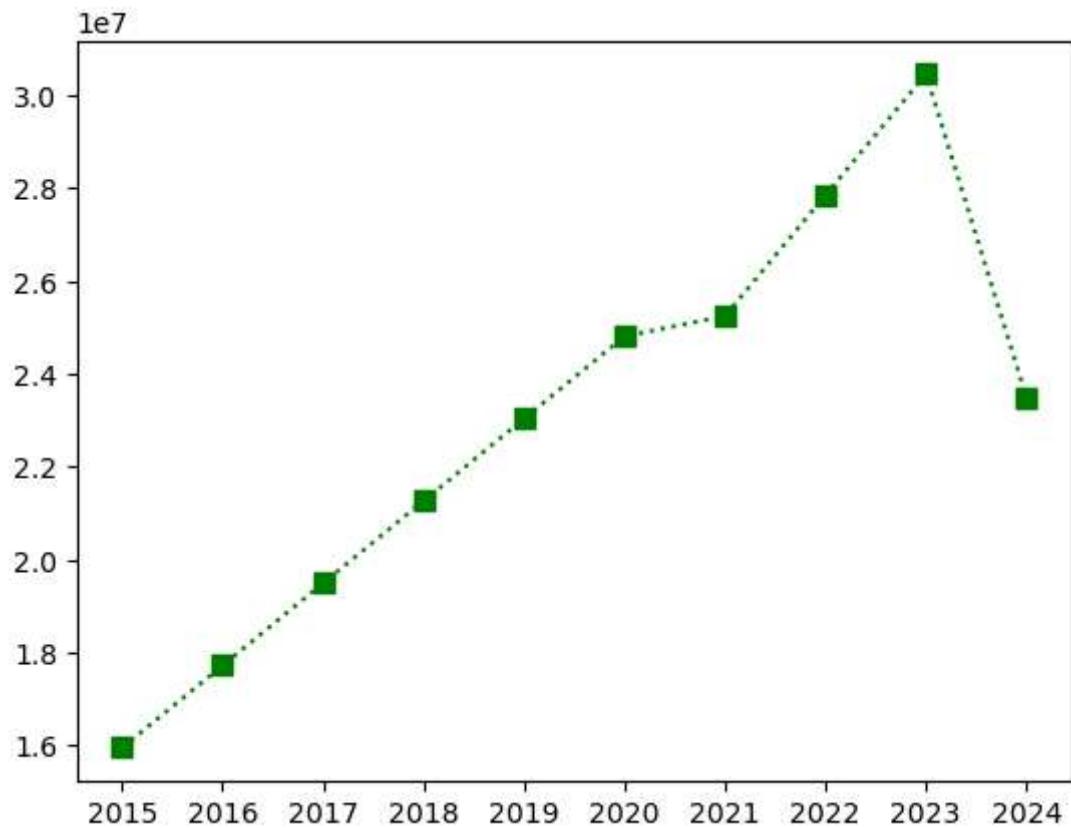
In [46]: Games

```
Out[46]: 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]])
```

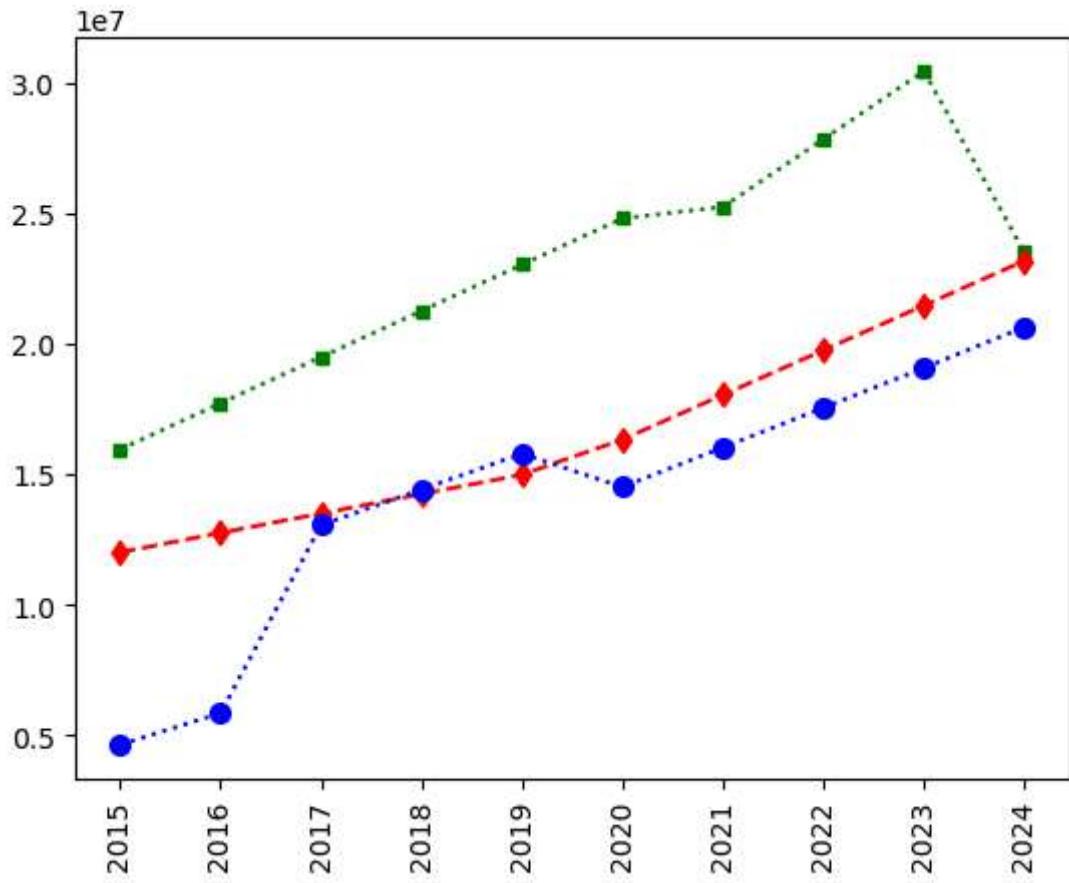
In [47]: Salary[1]

```
Out[47]: array([12000000, 12744189, 13488377, 14232567, 14976754, 16324500,
 18038573, 19752645, 21466718, 23180790])
```

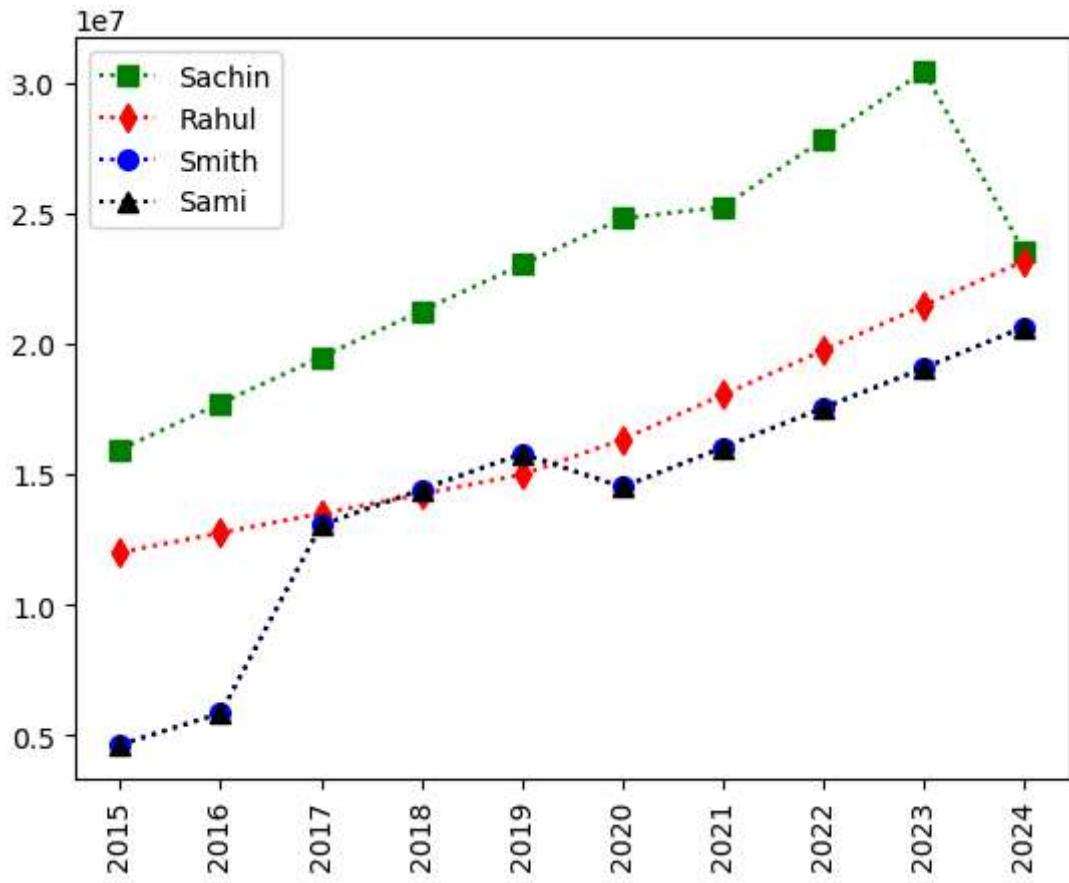
```
In [48]: plt.plot(Salary[0], c='green', ls = ':', marker = 's', ms = 7,label=Players[0])
plt.xticks(list(range(0,10)),Seasons,rotation='horizontal')
plt.show()
```



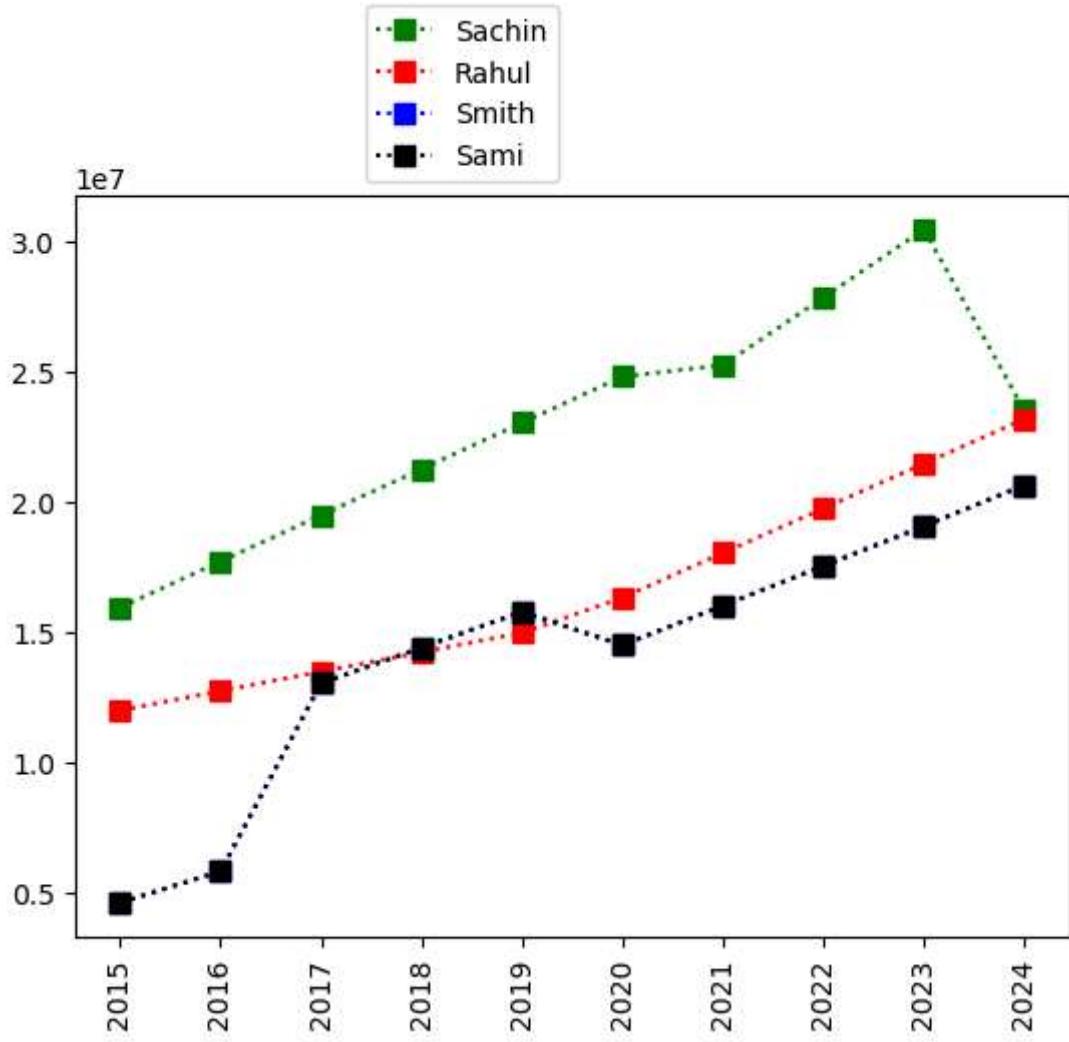
```
In [49]: plt.plot(Salary[0], c='green', ls = ':', marker = 's', ms = 5,label=Players[0])
plt.plot(Salary[1], c='red', ls = '--', marker = 'd', ms = 6,label=Players[1])
plt.plot(Salary[2], c='blue', ls = ':', marker = 'o', ms = 7,label=Players[2])
plt.xticks(list(range(0,10)),Seasons,rotation='vertical')
plt.show()
```



```
In [50]: plt.plot(Salary[0], c='green', ls = ':', marker = 's', ms = 7,label=Players[0])
plt.plot(Salary[1], c='red', ls = ':', marker = 'd', ms = 7,label=Players[1])
plt.plot(Salary[2], c='blue', ls = ':', marker = 'o', ms = 7,label=Players[2])
plt.plot(Salary[2], c='black', ls = ':', marker = '^', ms = 7,label=Players[3])
plt.legend()
plt.xticks(list(range(0,10)),Seasons,rotation='vertical')
plt.show()
```

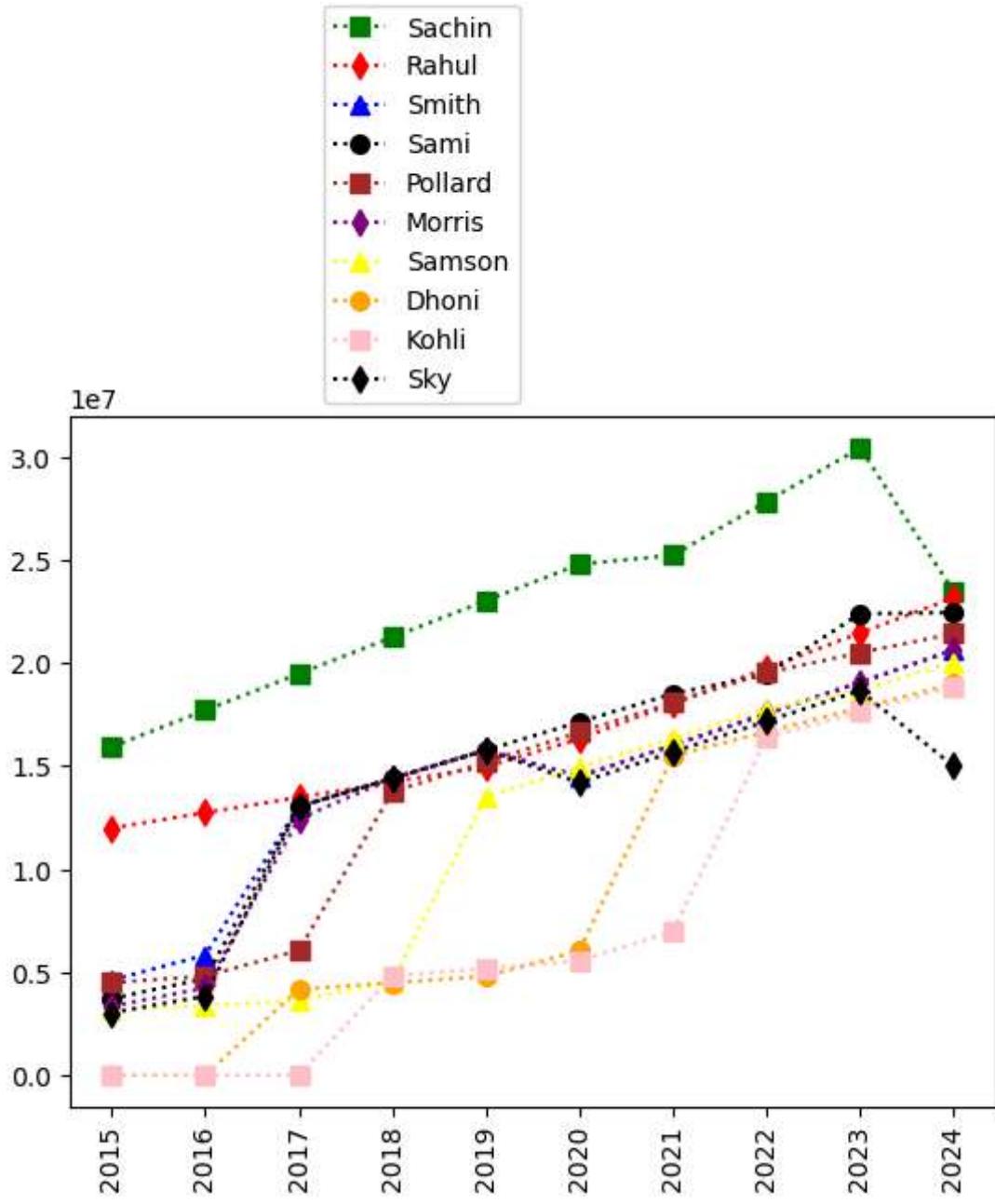


```
In [51]: plt.plot(Salary[0], c='green', ls = ':', marker = 's', ms = 7,label=Players[0])
plt.plot(Salary[1], c='red', ls = ':', marker = 's', ms = 7,label=Players[1])
plt.plot(Salary[2], c='blue', ls = ':', marker = 's', ms = 7,label=Players[2])
plt.plot(Salary[2], c='black', ls = ':', marker = 's', ms = 7,label=Players[3])
plt.legend(loc= 'lower right',bbox_to_anchor=(0.5,1))
plt.xticks(list(range(0,10)),Seasons,rotation='vertical')
plt.show()
```



```
In [52]: plt.plot(Salary[0], c='green', ls = ':', marker = 's', ms = 7,label=Players[0])
plt.plot(Salary[1], c='red', ls = ':', marker = 'd', ms = 7,label=Players[1])
plt.plot(Salary[2], c='blue', ls = ':', marker = '^', ms = 7,label=Players[2])
plt.plot(Salary[3], c='black', ls = ':', marker = 'o', ms = 7,label=Players[3])
plt.plot(Salary[4], c='brown', ls = ':', marker = 's', ms = 7,label=Players[4])
plt.plot(Salary[5], c='purple', ls = ':', marker = 'd', ms = 7,label=Players[5])
plt.plot(Salary[6], c='yellow', ls = ':', marker = '^', ms = 7,label=Players[6])
plt.plot(Salary[7], c='orange', ls = ':', marker = 'o', ms = 7,label=Players[7])
plt.plot(Salary[8], c='pink', ls = ':', marker = 's', ms = 7,label=Players[8])
plt.plot(Salary[9], c='black', ls = ':', marker = 'd', 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 [53]: # we can visualize the how many games played by a player
```

```
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()
```

