In [8]:
```
import numpy as np
```

In [9]:
```
import matplotlib.pyplot as plt
```

In [10]:
```
#Seasons
Seasons = ["2010","2011","2012","2013","2014","2015","2016","2017","2018","2019"]
Sdict = {"2010":0,"2011":1,"2012":2,"2013":3,"2014":4,"2015":5,"2016":6,"2017":7,"2018":8,"2019":9}
```

In [11]:
```
#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
```

In [12]:
```
#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, Sams
```

In [13]:
```
#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])
```

In [14]:
```
#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,
```

In [16]:
```
from matplotlib import pyplot as plt
```

In [18]:
```
Salary
```

Out[18]:
```
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 [19]:
```
Points
```

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

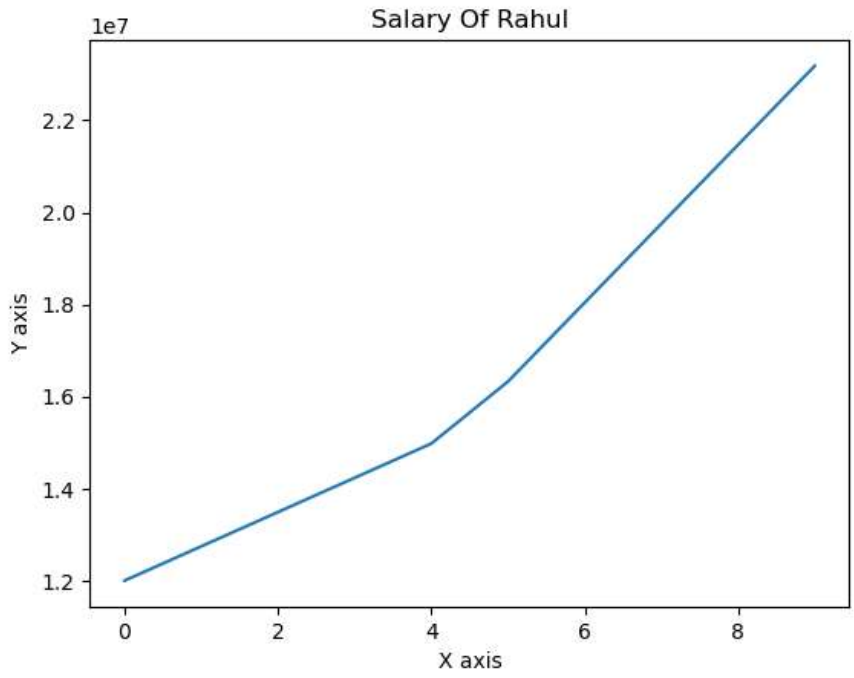
In [20]:
```
Games
```

Out[20]:
```
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 [21]:
```
import matplotlib.pyplot as plt
```

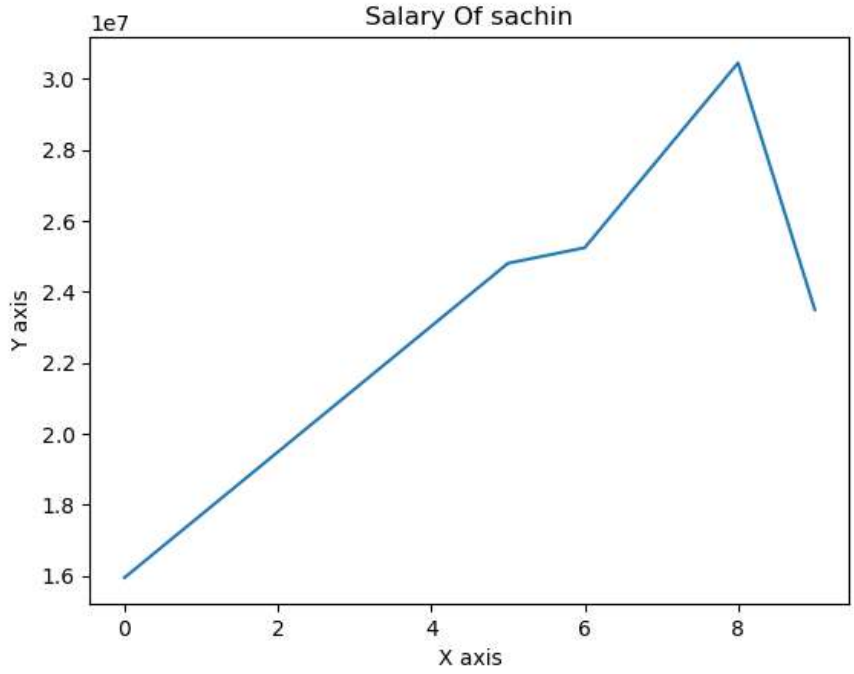
In [22]:
```
plt.plot(Salary[1])
plt.title('Salary Of Rahul')
plt.xlabel('X axis')
plt.ylabel('Y axis')
```

Out[22]: Text(0, 0.5, 'Y axis')



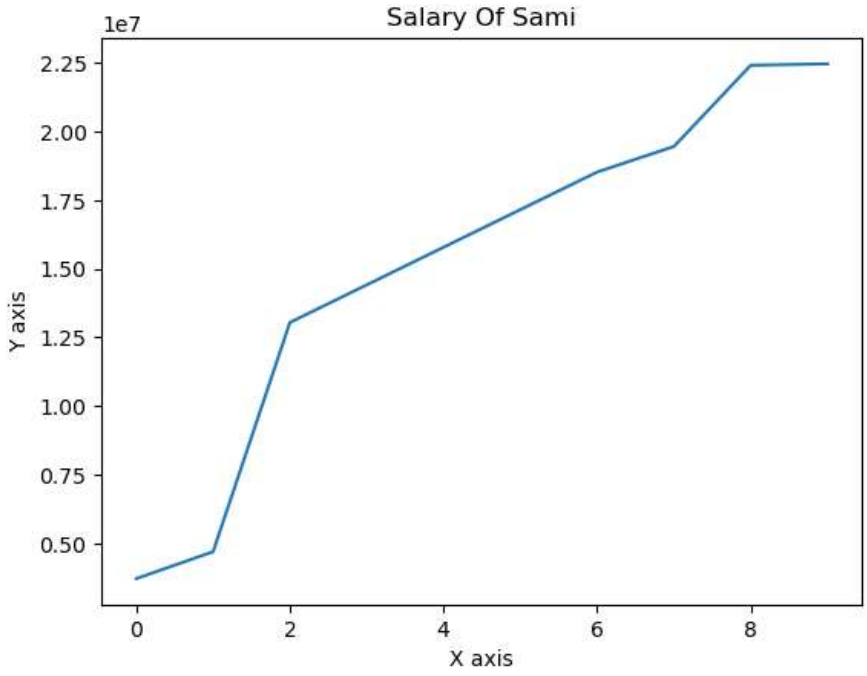
In [23]:
```
plt.plot(Salary[0])
plt.title('Salary Of sachin')
plt.xlabel('X axis')
plt.ylabel('Y axis')
```

Out[23]: Text(0, 0.5, 'Y axis')



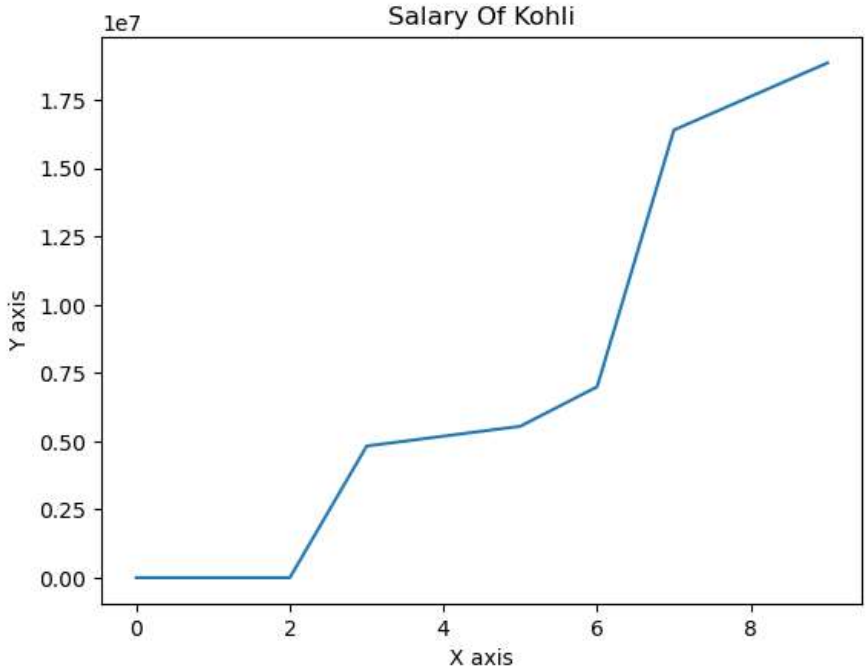
In [24]:
```
plt.plot(Salary[3])
plt.title('Salary Of Sami')
plt.xlabel('X axis')
plt.ylabel('Y axis')
```

Out[24]: Text(0, 0.5, 'Y axis')



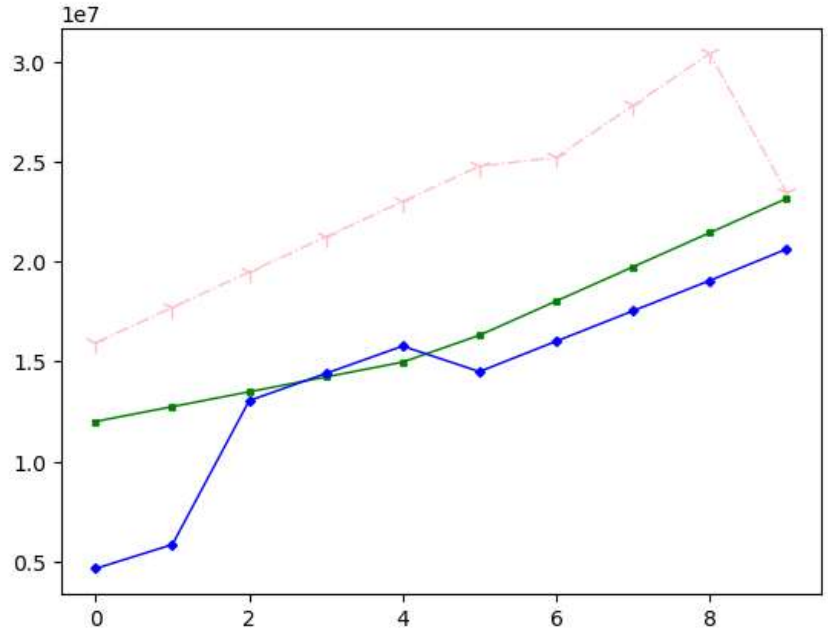
In [26]:
```
plt.plot(Salary[8])
plt.title('Salary Of Kohli')
plt.xlabel('X axis')
plt.ylabel('Y axis')
```

Out[26]: Text(0, 0.5, 'Y axis')

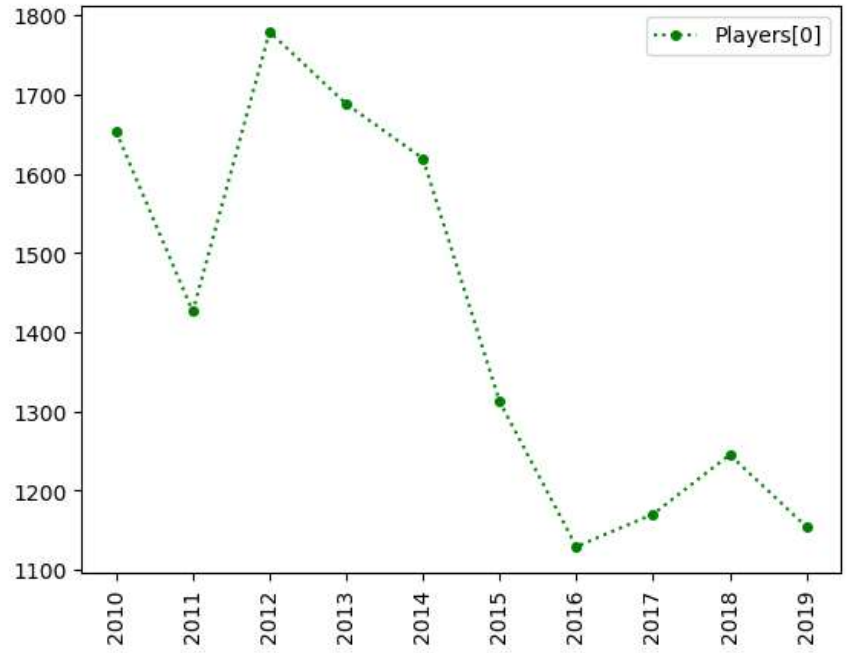


In [41]:
```
#players=['sachin','rahul','smith','sami','pollard','morrris','samson','dhoni','kohli','sky']
plt.plot(Salary[0],c='Pink' ,ls ='-.',marker='1',ms=10,label=Players[0],linewidth=1)
plt.plot(Salary[1],c='Green',marker='X',ms=3,linewidth=1,label=Players[2])
plt.plot(Salary[2],c='Blue',marker='D',ms=3,linewidth=1,label=Players[3])
```

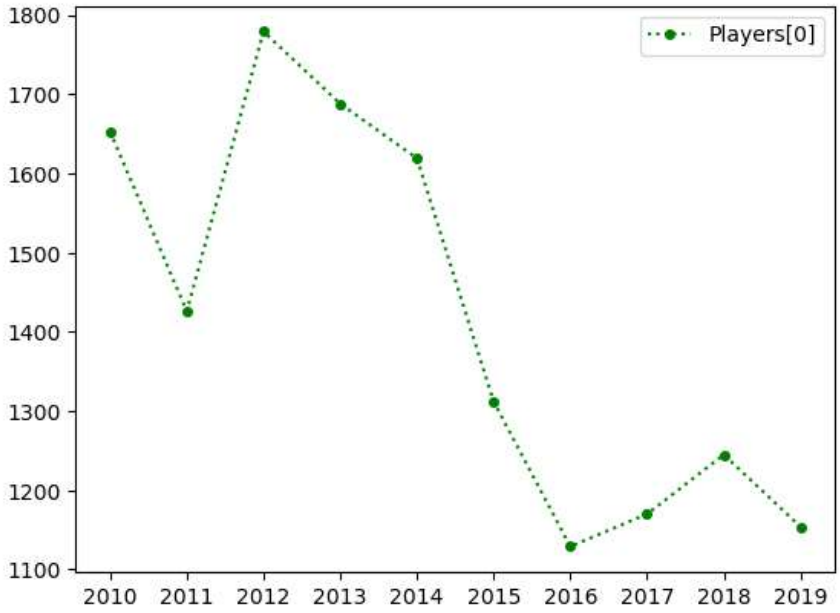
Out[41]: [<matplotlib.lines.Line2D at 0x1ad30dcb460>]



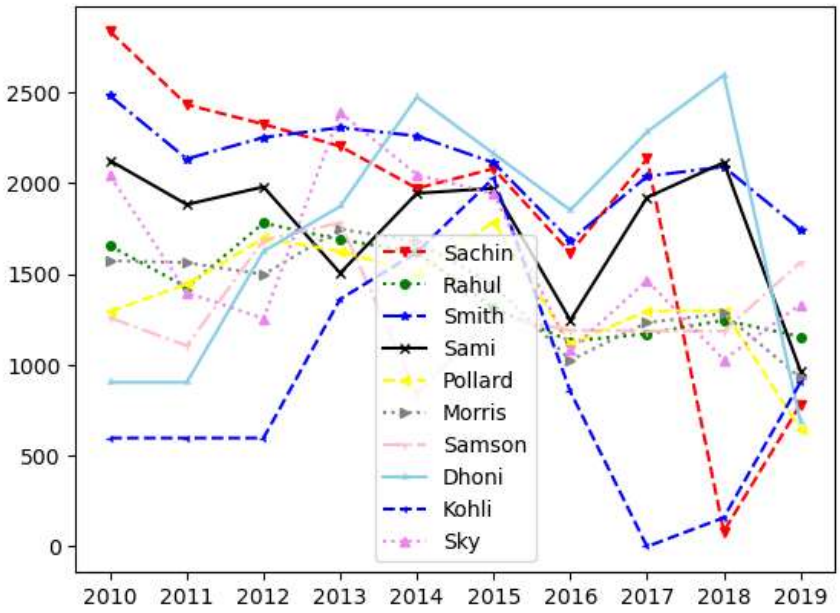
In [43]:
```
plt.plot(Points[1],c='Green' , ls=':',marker='o',ms=4,label='Players[0]')
plt.legend()
plt.xticks(list(range(0,10)),Seasons,rotation='vertical')
plt.show()
```



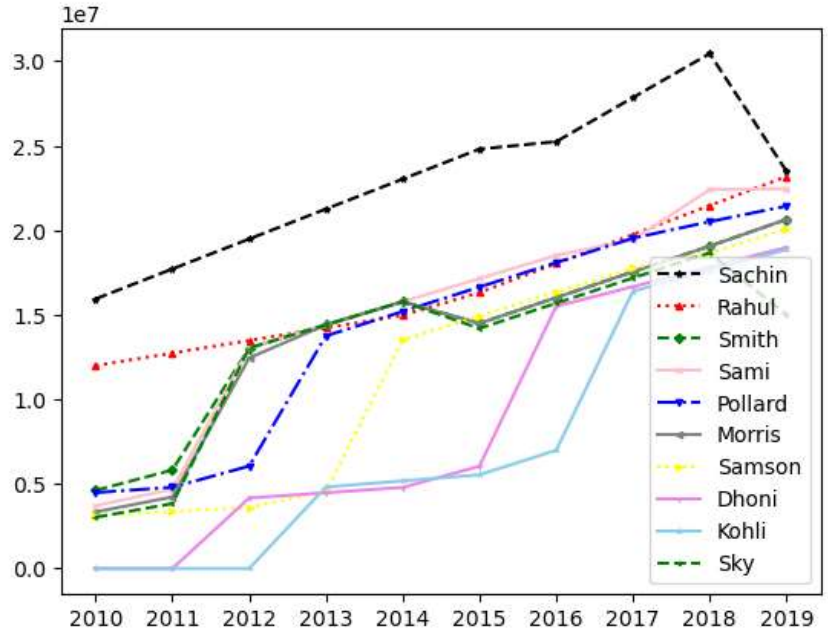
In [44]:
```
plt.plot(Points[1],c='Green' , ls=':',marker='o',ms=4,label='Players[0]')
plt.legend()
plt.xticks(list(range(0,10)),Seasons,rotation='horizontal')
plt.show()
```



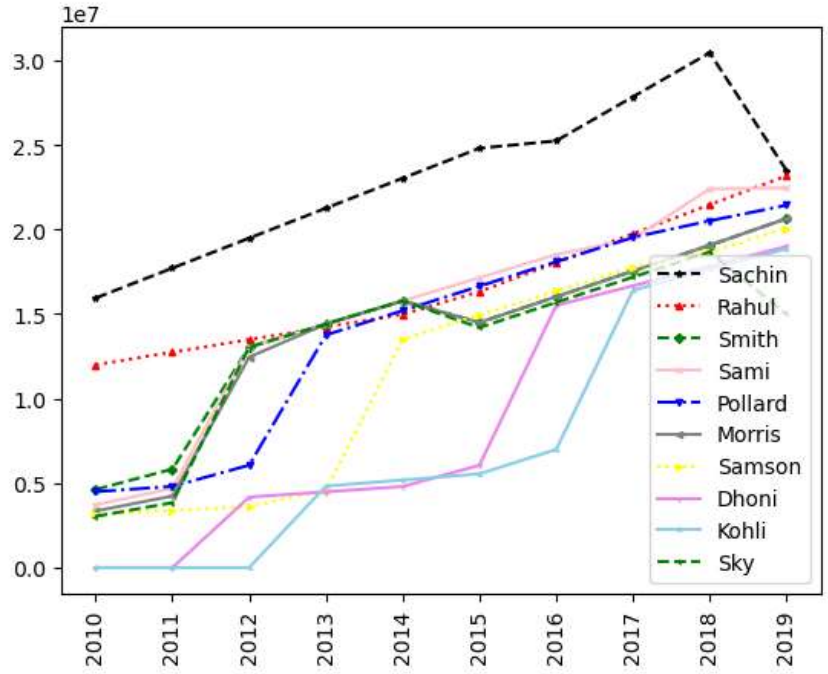
In [45]:
```
plt.plot(Points[0],marker='v',ls='--',ms=4,c='Red',label=Players[0])
plt.plot(Points[1],marker='o',ls=':',ms=4,c='Green',label=Players[1])
plt.plot(Points[2],marker='*',ls='-.',ms=4,c='Blue',label=Players[2])
plt.plot(Points[3],marker='x',ls='-',ms=4,c='black',label=Players[3])
plt.plot(Points[4],marker='<',ls='--',ms=4,c='Yellow',label=Players[4])
plt.plot(Points[5],marker='>',ls=':',ms=4,c='Gray',label=Players[5])
plt.plot(Points[6],marker='1',ls='-.',ms=4,c='Pink',label=Players[6])
plt.plot(Points[7],marker='2',ls='-',ms=4,c='SkyBlue',label=Players[7])
plt.plot(Points[8],marker='3',ls='--',ms=4,c='Blue',label=Players[8])
plt.plot(Points[9],marker='^',ls=':',ms=4,c='violet',label=Players[9])
plt.legend()
plt.xticks(list(range(0,10)),Seasons,rotation='horizontal')
plt.show()
```



In [52]:
```
plt.plot(Salary[0],marker='*',ls='--',ms=3,c='Black',label=Players[0])
plt.plot(Salary[1],marker='^',ls=':',ms=3,c='Red',label=Players[1])
plt.plot(Salary[2],marker='D',ls='--',ms=3,c='Green',label=Players[2])
plt.plot(Salary[3],marker='x',ls='-',ms=3,c='Pink',label=Players[3])
plt.plot(Salary[4],marker='v',ls='-.',ms=3,c='Blue',label=Players[4])
plt.plot(Salary[5],marker='<',ls='-',ms=3,c='Gray',label=Players[5])
plt.plot(Salary[6],marker='>',ls=':',ms=3,c='Yellow',label=Players[6])
plt.plot(Salary[7],marker='1',ls='-',ms=3,c='violet',label=Players[7])
plt.plot(Salary[8],marker='2',ls='-',ms=3,c='Skyblue',label=Players[8])
plt.plot(Salary[9],marker='3',ls='--',ms=3,c='Green',label=Players[9])
plt.legend(loc='lower right')
plt.xticks(list(range(0,10)),Seasons,rotation='horizontal')
plt.show()
```

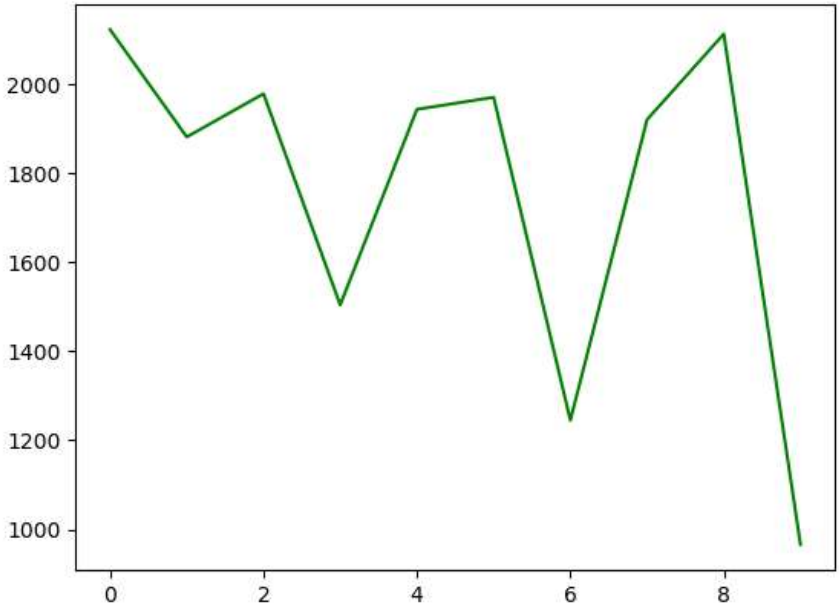


In [53]:
```
plt.plot(Salary[0],marker='*',ls='--',ms=3,c='Black',label=Players[0])
plt.plot(Salary[1],marker='^',ls=':',ms=3,c='Red',label=Players[1])
plt.plot(Salary[2],marker='D',ls='--',ms=3,c='Green',label=Players[2])
plt.plot(Salary[3],marker='x',ls='-',ms=3,c='Pink',label=Players[3])
plt.plot(Salary[4],marker='v',ls='-.',ms=3,c='Blue',label=Players[4])
plt.plot(Salary[5],marker='<',ls='-',ms=3,c='Gray',label=Players[5])
plt.plot(Salary[6],marker='>',ls=':',ms=3,c='Yellow',label=Players[6])
plt.plot(Salary[7],marker='1',ls='-',ms=3,c='violet',label=Players[7])
plt.plot(Salary[8],marker='2',ls='-',ms=3,c='Skyblue',label=Players[8])
plt.plot(Salary[9],marker='3',ls='--',ms=3,c='Green',label=Players[9])
plt.legend(loc='lower right')
plt.xticks(list(range(0,10)),Seasons,rotation='vertical')
plt.show()
```



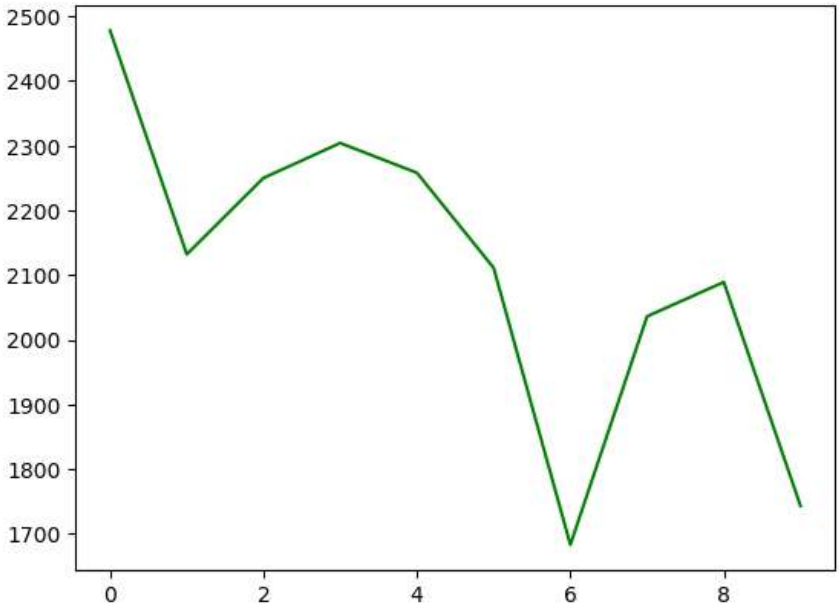
In [54]:
```
plt.plot(Points[3],c='Green')
```

Out[54]: [<matplotlib.lines.Line2D at 0x1ad317d4cd0>]



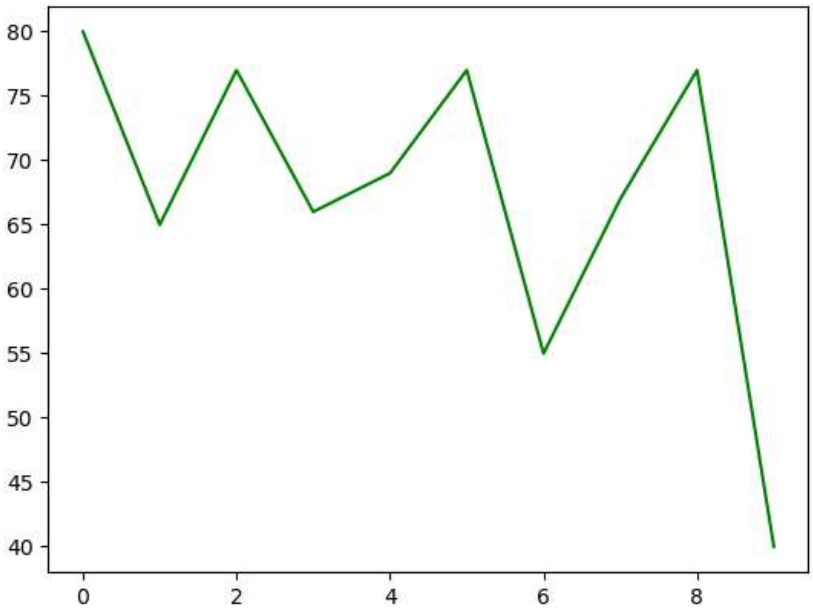
In [55]:
```
plt.plot(Points[2],c='Green')
```

Out[55]:
```
[<matplotlib.lines.Line2D at 0x1ad3181b9a0>]
```



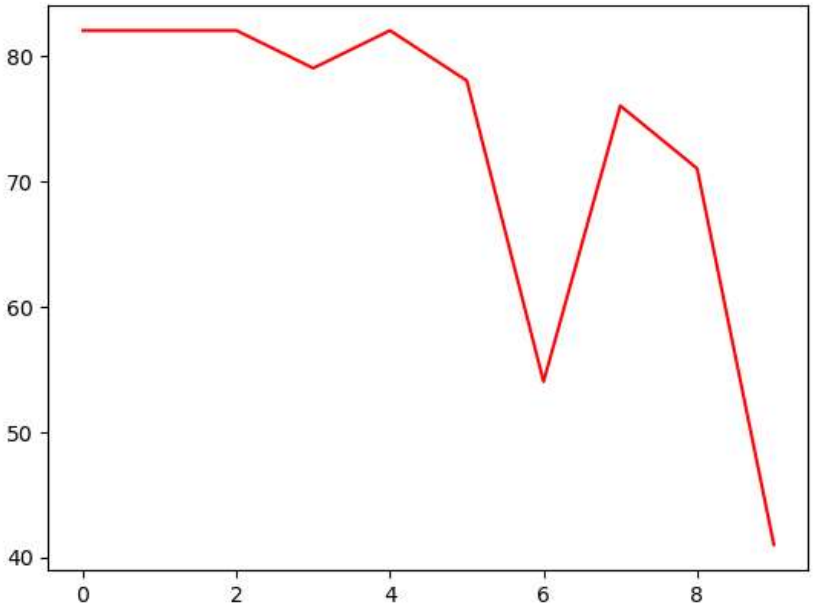
In [56]:
```
plt.plot(Games[3],c='Green')
```

Out[56]:
```
[<matplotlib.lines.Line2D at 0x1ad329d73a0>]
```



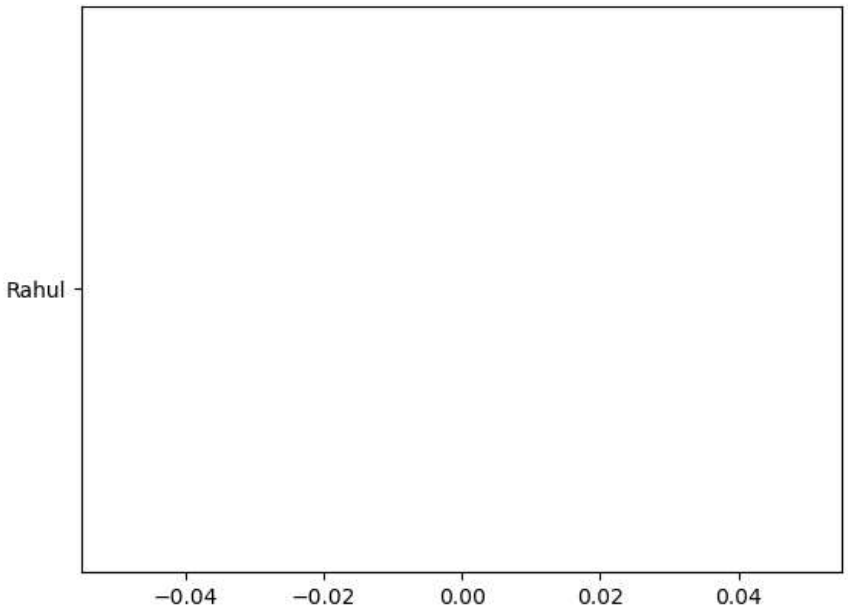
In [57]:
```
plt.plot(Games[4],c='Red')
```

Out[57]:
```
[<matplotlib.lines.Line2D at 0x1ad32a572b0>]
```



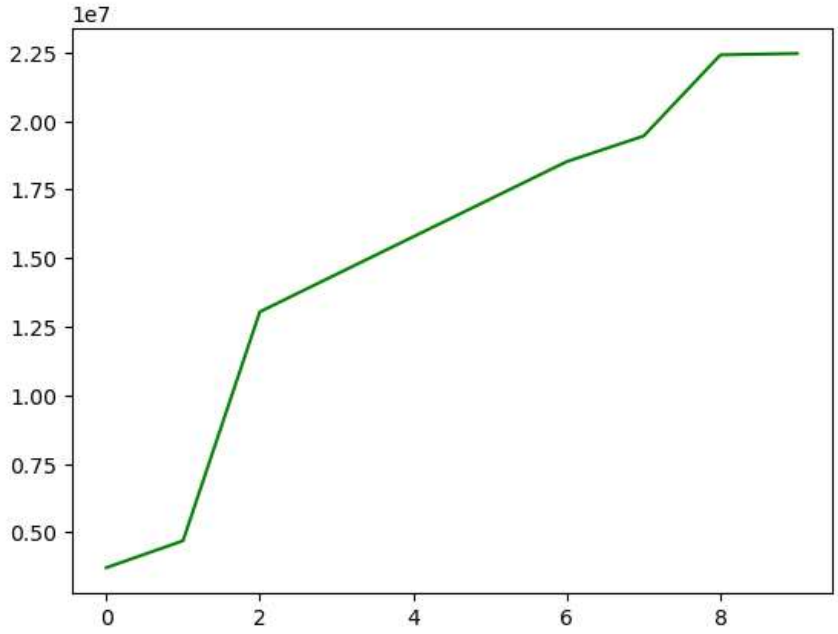
In [59]:
```
plt.plot(Players[1],c='Green')
```

Out[59]:
```
[<matplotlib.lines.Line2D at 0x1ad328e9ae0>]
```



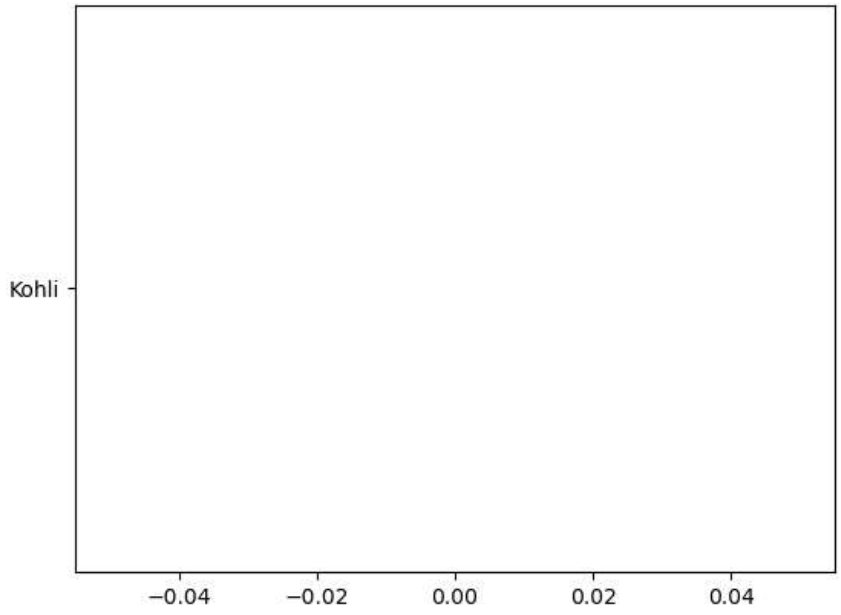
In [60]:
```
plt.plot(Salary[3],c='Green')
```

Out[60]: [<matplotlib.lines.Line2D at 0x1ad32945540>]



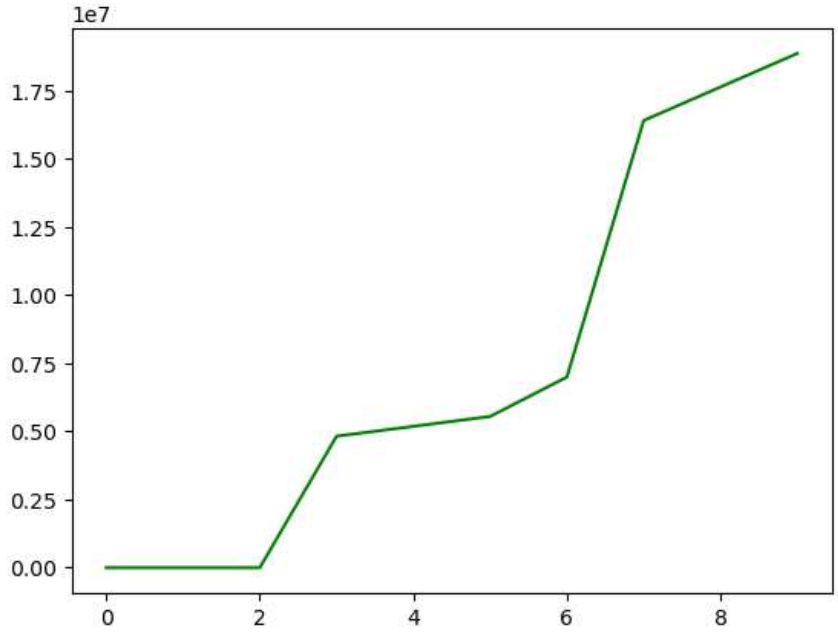
In [61]:
```
plt.plot(Players[8],c='Green')
```

Out[61]: [<matplotlib.lines.Line2D at 0x1ad32c310c0>]



In [62]:
```
plt.plot(Salary[8],c='Green')
```

Out[62]:
```
[<matplotlib.lines.Line2D at 0x1ad32c88310>]
```



In [ ]:
```

```