```
project
```

```
#Import numpy
import numpy as np
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}
 Sachin Salary = [15946875,17718750,19490625,21262500,23034375,24806250,25244493,27849149,30453805,23500000]
Satin_Jalary = [12000000,171710730,15450005,425004375,46500250,25204475,77645475,7645475,355005,255000000

Smith_Salary = [120000000,1714189,1348877,14232567,14976754,1632450,1838573,19752645,21466718,23180790]

Smith_Salary = [4621800,5828090,13041250,14410581,15779912,14500000,16022500,17545000,19067500,20644400]
                                = [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]
| The control of the 
 Sky\_Salary = [3031920, 3841443, 13041250, 14410581, 15779912, 14200000, 15691000, 17182000, 18673000, 150000000]
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]
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]
 Games = np.array([Sachin_G, Rahul_G, Smith_G, Sami_G, Pollard_G, Morris_G, Samson_G, Dhoni_G, Kohli_G, Sky_G])
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 = [1572,1561,1468,1746,1678,1438,1025,1232,1281,928]
Samson_PTS = [1528,1104,1684,1781,841,1268,1189,1186,1185,1564]
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]
Points = np.array([Sachin_PTS, Rahul_PTS, Smith_PTS, Sami_PTS, Pollard_PTS, Morris_PTS, Samson_PTS, Dhoni_PTS, Kohli_PTS, Sky_PTS])
Salary
     array([[15946875, 17718750, 19490625, 21262500, 23034375, 24806250,
                        25244493, 27849149, 30453805, 23500000],
[12000000, 12744189, 13488377, 14232567, 14976754, 16324500,
                        [ 4621800, 5828090, 13041250, 14410581, 15779912, 14500000, 16022500, 17545000, 19067500, 20644400],
                        [ 3713640, 4694041, 13041250, 14410581, 15779912, 17149243,
                        [371500, 405001, 15010125], 1445001, 1777512, 174525, 18518574, 19450000, 22407474, 22458000], [4493160, 4806720, 6061274, 13758000, 15202590, 16647180, 18091770, 19536360, 20513178, 21436271], 3348000, 4235220, 12455000, 1441581, 15779912, 14500000, 16022500, 17545000, 19067500, 20644400],
                        [ 3144240, 3380160, 3615960, 4574189, 13520500, 14940153, 16359805, 17779458, 18668431, 20068563],
                           0, 0, 4171200, 4484040,
15506632, 16669630, 17832627, 18995624],
                                                                                                                                      4796880, 6053663,
                          19, 0, 0, 4822800, 5184480, 5546160, 6993708, 16402500, 17632688, 18862875], [3031920, 3841443, 13041250, 14410581, 15779912, 14200000, 15691000, 17182000, 18673000, 15000000]])
                        [ 3031920.
In [39]:
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],
                         [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]])
Points
```

```
{\tt array}(\hbox{\tt [[2832, 2430, 2323, 2201, 1970, 2078, 1616, 2133,}
            [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, [1572, 1561, 1496, 1746, 1678, 1438, 1025, 1232, 1281,
                                                                                      646]
            [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 [41]:
Salary[0]
  array([15946875, 17718750, 19490625, 21262500, 23034375, 24806250,
            25244493, 27849149, 30453805, 23500000])
In [45]:
Games[1:5]
  array([[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]])
In [47]:
Games[1,5]
Out[47]:
  72
In [49]:
Pdict
Out[49]:
   {'Sachin': 0,
     'Rahul': 1.
     'Smith': 2,
    'Sami': 3,
'Pollard': 4,
     'Morris': 5,
'Samson': 6,
'Dhoni': 7,
    'Kohli': 8,
'Sky': 9}
Salary/Games
   C:\Users\kavya\AppData\Local\Temp\ipykernel_14904\3709746658.py:1: RuntimeWarning: divide by zero encountered in divide
   array([[ 199335.9375
                                      230113.63636364, 237690.54878049,
               259298.7804878 ,
                                      315539.38356164,
               435249.87931034.
                                      357040.37179487, 5075634.16666667
            671428.57142857],
[ 146341.46341463,
                                      223582.26315789, 164492.40243902,
                                      197062.55263158,
               180159.07594937,
                                                             226729.16666667,
               300642.883333333,
                                      274342.29166667.
                                                             271730.60759494.
               289759.875 ],
58503.79746835,
                                       74719.1025641 ,
                                                             173883.33333333,
               177908.40740741,
258427.41935484,
                                      207630.42105263,
230855.26315789,
                                                             183544.30379747,
247629.87012987,
               299194.20289855],
               46420.5 , 72216.01538462,
218342.13636364, 228694.37681159,
                                        72216.01538462,
                                                             222717.44155844.
               336701.34545455, 290298.50746269,
                                                             291006.15584416,
               561450.
                54794.63414634,
                                        58618.53658537,
               174151.89873418,
                                      185397.43902439,
257057.36842105,
                                                             213425.38461538.
              335032.77777778,
522835.87804878],
                                                              288918.
              47828.57142857,
187150.4025974,
281096.49122807,
469190.90909091],
                                      61380. ,
225427.31428571,
                                                              185895.52238806,
                                                              188311.68831169,
                                      237094.59459459,
                                                             241360.75949367
            [ 40310.76923077, 58643.44871795,
                                       52815.
                                                               45199.5
                                      300455.55555556,
                                                              186751.9125
               272663.41666667.
                                      253992.25714286.
                                                              301103.72580645.
               244738.57317073],
                     0.
                                                                52140
                60595.13513514,
                                        58498.53658537,
                                                                77611.06410256,
               234948.96969697,
703541.62962963],
                                      205797.90123457, 220155.88888889,
                     0.
               59540.74074074,
179325.84615385,
                                       66467.69230769, 68471.11111111, inf, 1763268.8 ,
               369860.29411765],
                40425.6
                                        75322.41176471, 255710.78431373,
               182412.41772152, 204933.92207792,
                                                             186842.10526316.
              320224.48979592,
241935.48387097]])
                                      249014.49275362, 345796.2962963,
```

```
np.round(Salary//Games)
  C:\Users\kavya\AppData\Local\Temp\ipykernel_14904\3663165759.py:1: RuntimeWarning: divide by zero encountered in floor_divide
    np.round(Salary//Games)
Out[53]:
  array([[ 199335, 230113, 237690, 259298, 315539, 302515, 435249,
          357040, 5075634,
[ 146341, 223582,
                                 671428],
                                 164492,
                                          180159, 197062, 226729, 300642,
                      271730,
74719,
                                 289759],
173883,
             274342,
             58503,
                                          177908, 207630, 183544, 258427,
             230855.
                      247629,
                                 299194],
169366,
              46420,
                        72216,
                                          218342, 228694, 222717, 336701,
                      291006,
58618,
                                 561450],
73917,
             290298,
              54794,
                                          174151, 185397, 213425, 335032,
             257057,
                      288918,
                                 522835],
                                          187150, 225427, 188311, 281096,
             237094.
                      241360,
                                 469190],
             40310,
253992,
                                45199,
244738],
                                            58643, 300455, 186751, 272663,
                      301103,
                                  52140,
                                            60595,
                                                      58498,
                                                                77611, 234948,
             205797,
                      220155,
                                 703541],
                                0,
369860],
                  97, 220133, 763341],

0, 0, 0, 0,

0, 1763268, 369860],

25, 75322, 255710, 1

14, 345796, 241935]])
                                            59540,
                                                      66467,
                                                                68471, 179325,
                                          182412, 204933, 186842, 320224,
              40425
             249014,
import warnings
warnings.filterwarnings('ignore')
import numpy as np
import matplotlib.pyplot as plt
Salarv[0]
  array([15946875, 17718750, 19490625, 21262500, 23034375, 24806250,
          25244493, 27849149, 30453805, 23500000])
In [61]:
plt.plot(Salary[0])
  [<matplotlib.lines.Line2D at 0x13161f42510>]
3.0
2.8
2.6
2.4
2.2
2.0
1.8
1.6
In [65]:
plt.plot(Salary[0], color = 'Red')
  [<matplotlib.lines.Line2D at 0x13162a718b0>]
3.0
2.8
2.6
2.4
2.2
2.0
1.8
1.6
In [67]:
plt.plot(Salary[0], color = 'green')
```

```
[<matplotlib.lines.Line2D at 0x13162ab25d0>]
3.0
2.8
2.6
2.4
2.2
2.0
1.8
plt.plot(Salary[0], color = 'green', ls = '--')
Out[69]:
   [<matplotlib.lines.Line2D at 0x13162ada360>]
3.0
2.8
2.4
2.2
2.0
1.8
In [71]:
%matplotlib inline
plt.rcParams['figure.figsize'] = 7,3
plt.plot(Salary[0], color = 'red', ls = '--')
plt.show()
3.0
2.8
2.6
2.2
2.0
1.8
1.6
In [83]:
\label{eq:plot_salary} $$ $plt.plot(Salary[\theta], c='Green', ls = '--', marker = 's') \ \# \ s \ - \ squares \\ plt.show() $$
3.0
2.8
2.6
2.4
2.2
2.0
1.8
1.6
In [85]:
\label{eq:plt.plot} $$ plt.plot(Salary[0], c='Green', ls = '--', marker = 's', ms = 10) $$ plt.show() $$
```

```
Untitled13 slides
 3.0
 2.8
 2.6
 2.4
 2.2
 2.0
 1.8
 1.6
In [99]
list(range(0,10))
Out[99]:
    [0, 1, 2, 3, 4, 5, 6, 7, 8, 9]
In [101]:
Sdict
Out[101]:
   {'2015': 0,
'2016': 1,
'2017': 2,
'2018': 3,
'2019': 4,
'2020': 5,
'2021': 6,
'2022': 7,
'2023': 8,
'2024': 9}
In [103]:
 Pdict
Out[103]:
   ('Sachin': 0,
'Rahul': 1,
'Smith': 2,
'Sami': 3,
'Pollard': 4,
'Morris': 5,
'Samson': 6,
'Dhoni': 7,
'Kohli': 8,
'Sky': 9}
      'Sky': 9}
In [105]:
plt.plot(Salary[0], c='Green', ls = '--', marker = 's', ms = 7)
plt.xticks(list(range(0,10)), Seasons)
plt.show()
 3.0
 2.8
 2.6
 2.4
 2.2
 2.0
 1.8
 1.6
       2015 2016 2017 2018 2019 2020 2021 2022 2023 2024
plt.plot(Salary[0], c='Green', ls = ':', marker = 's', ms = 7, label = Players[0])
plt.xticks(list(range(0,10)), Seasons,rotation='vertical')
plt.show()
 3.0
 2.8
 2.6
 2.4
 2.2
 2.0
 1.8
 1.6
```

```
2018
                                              2019
                                                          2020
                      2017
                                                                     2021
                                                                                 2022
                                                                                             2023
                                                                                                        2024
2015
```

In [109]: Games

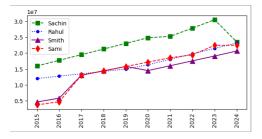
```
Out[109]
   array([[80, 77, 82, 82, 73, 82, 58, 78, 6, 35], [82, 57, 82, 79, 76, 72, 60, 72, 79, 80], [79, 78, 75, 81, 76, 79, 62, 76, 77, 69], [80, 65, 77, 66, 69, 77, 55, 67, 77, 40],
               [82, 82, 82, 79, 82, 78, 54, 76, 71, 41], [70, 69, 67, 77, 70, 77, 57, 74, 79, 44], [78, 64, 80, 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]])
 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()
 3.0
 2.8
 2.6
 2.4
 2.2
 2.0
 1.8
 1.6
       2015 2016 2017 2018 2019 2020 2021 2022 2023 2024
 Salary[0]
   array([15946875, 17718750, 19490625, 21262500, 23034375, 24806250,
               25244493, 27849149, 30453805, 23500000])
 Salary[1]
   array([12000000, 12744189, 13488377, 14232567, 14976754, 16324500,
               18038573, 19752645, 21466718, 23180790])
 plt.plot(Salary[1], c='Blue', ls = ':', marker = 'o', ms = 10, label = Players[1])
 plt.show()
 2.2
 2.0
 1.8
 1.6
 plt.plot(Salary[0], c='Green', ls = '--', marker = 's', ms = 10, label = Players[0])
plt.plot(Salary[1], c='Blue', ls = ':', marker = 'o', ms = 10, label = Players[1])
 plt.xticks(list(range(0,10)), Seasons,rotation='vertical')
 plt.show()
 3.0
 2.5
 2.0
                                   2018
                          2017
                                            2019
                                                                              2023
                                                                                       2024
 plt.plot(Salary[0], c='Green', ls = '--', marker = 's', ms = 7, label = Players[0])
plt.plot(Salary[1], c='Blue', ls = '--', marker = 'o', ms = 5, label = Players[1])
plt.plot(Salary[2], c='purple', ls = '--', marker = '^', ms = 8, label = Players[2])
 plt.xticks(list(range(0,10)), Seasons,rotation='vertical')
 plt.show()
```

In [127]:

```
plt.plot(Salary[0], c='Green', ls = '--', marker = 's', ms = 7, label = Players[0])
plt.plot(Salary[1], c='Blue', ls = '--', marker = 'o', ms = 5, label = Players[1])
plt.plot(Salary[2], c='purple', ls = '--', marker = '^', ms = 8, label = Players[2])
plt.plot(Salary[3], c='Red', ls = ':', marker = 'd', ms = 8, label = Players[3])
plt.xticks(list(range(0,10)), Seasons,rotation='vertical')
plt.show()
```

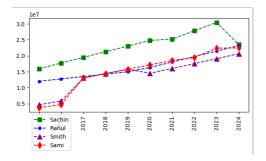
```
In [129]:
```

```
plt.plot(Salary[0], c='Green', ls = '--', marker = 's', ms = 7, label = Players[0])
plt.plot(Salary[1], c='Blue', ls = ':', marker = 'o', ms = 5, label = Players[1])
plt.plot(Salary[2], c='purple', ls = '-', marker = '^', ms = 8, label = Players[2])
plt.plot(Salary[3], c='Red', ls = '--', marker = 'd', ms = 8, label = Players[3])
plt.legend()
plt.xticks(list(range(0,10)), Seasons,rotation='vertical')
plt.show()
```



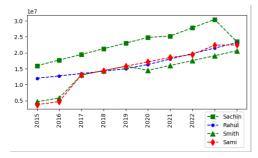
```
n [131]:
```

```
plt.plot(Salary[0], c='Green', ls = '--', marker = 's', ms = 7, label = Players[0])
plt.plot(Salary[1], c='Blue', ls = '--', marker = 'o', ms = 5, label = Players[1])
plt.plot(Salary[2], c='purple', ls = '--', marker = 'r', ms = 8, label = Players[2])
plt.plot(Salary[3], c='Red', ls = '--', marker = 'd', ms = 8, label = Players[3])
plt.legend(loc = 'upper left',bbox_to_anchor=(0,0))
plt.xticks(list(range(0,10)), Seasons,rotation='vertical')
```

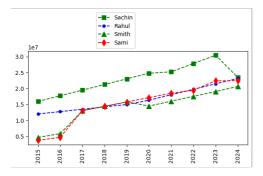


```
In [133]:
```

```
plt.plot(Salary[0], c='Green', ls = '--', marker = 's', ms = 7, label = Players[0])
plt.plot(Salary[1], c='Blue', ls = '--', marker = 'o', ms = 5, label = Players[1])
plt.plot(Salary[2], c='Green', ls = '--', marker = '^', ms = 8, label = Players[2])
plt.plot(Salary[3], c='Red', ls = '--', marker = 'd', ms = 8, label = Players[3])
plt.legend(loc = 'upper right', bbox_to_anchor=(1,0))
plt.xticks(list(range(0,10)), Seasons, rotation='vertical')
```



```
In [135]:
 plt.plot(Salary[0], c='Green', ls = '--', marker = 's', ms = 7, label = Players[0])
plt.plot(Salary[1], c='Blue', ls = '--', marker = 'o', ms = 5, label = Players[1])
plt.plot(Salary[2], c='Green', ls = '--', marker = 'n', ms = 8, label = Players[2])
plt.plot(Salary[3], c='Red', ls = '--', marker = 'd', ms = 8, label = Players[3])
plt.legend(loc = 'lower right', bbox_to_anchor=(0.5,1))
plt.xticks(list(range(0,10)), Seasons,rotation='vertical')
```



```
In [141]:
```

```
plt.plot(Salary[0], c='Green', ls = '--', marker = 's', ms = 7, label = Players[0])
plt.plot(Salary[1], c='Blue', ls = '--', marker = 'o', ms = 7, label = Players[1])
plt.plot(Salary[2], c='Green', ls = '--', marker = '^', ms = 7, label = Players[2])
plt.plot(Salary[3], c='Purple', ls = '--', marker = 'D', ms = 7, label = Players[3])
plt.plot(Salary[4], c='Black', ls = '--', marker = 's', ms = 7, label = Players[4])
plt.plot(Salary[6], c='Red', ls = '--', marker = 'o', ms = 7, label = Players[5])
plt.plot(Salary[6], c='Red', ls = '--', marker = 'A', ms = 7, label = Players[6])
plt.plot(Salary[7], c='Red', ls = '--', marker = 'd', ms = 7, label = Players[7])
plt.plot(Salary[8], c='Red', ls = '--', marker = 's', ms = 7, label = Players[8])
plt.plot(Salary[9], c='Red', ls = '--', marker = 'o', ms = 7, label = Players[9])
  plt.legend(loc = 'lover right',bbox_to_anchor=(0.5,1) )
plt.xticks(list(range(0,10)), Seasons,rotation='vertical')
    plt.show()
```

```
Traceback (most recent call last)
    Cell In[141], line 12
    File ~\anaconda3\Lib\site-packages\matplotlib\pyplot.py:3588, in legend(*args, **kwargs)
          3586 @_copy_docstring_and_deprecators(Axes.legend)
3587 def legend(*args, **kwargs) -> Legend:
3588 return gca().legend(*args, **kwargs)
    File ~\anaconda3\Lib\site-packages\matplotlib\axes\_axes.py:342, in Axes.legend(self, *args, **kwargs)
            225 "
            226 Place a legend on the Axes.
            227
          (...)
            339 .. plot:: gallery/text_labels_and_annotations/legend.py 340 """
    341 handles, labels, kwargs = mlegend._parse_legend_args([self], *args, **kwargs)
--> 342 self.legend_ = mlegend.Legend(self, handles, labels, **kwargs)
343 self.legend___remove_method = self._remove_legend
            344 return self.legend_
    File ~\anaconda3\Lib\site-packages\matplotlib\legend.py:566, in Legend.__init__(self, parent, handles, labels, loc, numpoints, mark erscale, markerfirst, reverse, scatterpoints, scatteryoffsets, prop, fontsize, labelcolor, borderpad, labelspacing, handlelength, handleheight, handletextpad, borderaxespad, columnspacing, ncols, mode, fancybox, shadow, title, title_fontsize, framealpha, edgecol or, facecolor, bbox_to_anchor, bbox_transform, frameon, handler_map, title_fontproperties, alignment, ncol, draggable)
563 self._init_legend_box(handles, labels, markerfirst)
565 # Set legend location
565 # Set legend location
    --> 566 self.set_loc(loc)
568 # figure out title font properties:
569 if title_fontsize is not None and title_fontproperties is not None:
    File ~\anaconda3\Lib\site-packages\matplotlib\legend.py:684, in Legend.set_loc(self, loc)
                           loc = locs[0] + ' ' + locs[1]
# check that loc is in acceptable strings
            682
            683
           684    loc = _api.check_getitem(self.codes, loc=loc)
685 elif np.iterable(loc):
     --> 684
                           # coerce iterable into tuple
loc = tuple(loc)
           686
    File ~\anaconda3\Lib\site-packages\matplotlib\_api\__init__.py:183, in check_getitem(mapping, **kwargs)
            181
                          return mapping[v]
           182 except KeyError
                          raise ValueError(
   f"{v!r} is not a valid value for {k}; supported values are "
   f"{', '.join(map(repr, mapping))}") from None
     --> 183
           184
           185
    ValueError: 'lover right' is not a valid value for loc; supported values are 'best', 'upper right', 'upper left', 'lower left', 'lower left', 'lower center', 'right', 'center left', 'center right', 'lower center', 'upper center', 'center'
In [143]:
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 = 'D', 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 = 'o', ms = 7, label = Players[7])
plt.plot(Games[8], c='Green', ls = '--', marker = 's', ms = 7, label = Players[8])
plt.plot(Games[9], c='Blue', ls = '--', marker = 'o', ms = 7, label = Players[8])
plt.legend(loc = 'lower right',bbox_to_anchor=(0.5,1) )
 plt.xticks(list(range(0,10)), Seasons,rotation='vertical')
plt.show()
```

