

```
In [6]: #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, 27810000, 30612500, 34215000, 380160, 4171200, 4484040, 4796880, 6053663, 15506632, 16669630, 17832627, 18990000, 2031920, 23841443, 263041250, 284410581, 315779912, 34140153, 36359805, 3777945, 3984420, 4380160, 4615960, 49574189, 5235220, 5546160, 5844480, 61993708, 6502500, 68632688, 71632688, 74862875]
Rahul_Salary = [12000000, 12744189, 13488377, 14232567, 14976754, 16324500, 18038573, 19750000, 21493160, 2406720, 26061274, 28758000, 31202590, 336647180, 36091770, 39536000, 43144240, 46380160, 49615960, 5274189, 55320500, 5840153, 61359805, 64777945, 6784420, 70380160, 73615960, 764574189, 7935220, 82455000, 854410581, 88779912, 91500000, 94022500, 9754500, 10031920, 103841443, 1063041250, 1084410581, 115779912, 12140153, 126359805, 13777945, 14984420, 15380160, 156615960, 159574189, 16235220, 165455000, 1684410581, 175779912, 184500000, 19022500, 1975450, 2031920, 21841443, 233041250, 244410581, 2515779912, 26140153, 266359805, 27777945, 2884420, 30380160, 31615960, 329574189, 3435220, 356455000, 374410581, 39779912, 415000000, 43022500, 4575450, 4831920, 50841443, 533041250, 554410581, 5715779912, 59140153, 606359805, 63777945, 6684420, 69380160, 71615960, 741574189, 7635220, 78455000, 804410581, 83779912, 86500000, 89022500, 9175450, 9331920, 95841443, 983041250, 1004410581, 10215779912, 104140153, 1066359805, 109777945, 11284420, 115380160, 117615960, 119574189, 12135220, 123455000, 1254410581, 128779912, 131500000, 134022500, 1375450, 14031920, 143841443, 1463041250, 1484410581, 1515779912, 154140153, 1566359805, 159777945, 16284420, 166380160, 169615960, 1725574189, 17535220, 178455000, 1814410581, 184779912, 187500000, 19022500, 19375450, 19631920, 200841443, 2043041250, 2074410581, 2115779912, 214140153, 2166359805, 219777945, 22284420, 226380160, 229615960, 2325574189, 23535220, 238455000, 2414410581, 244779912, 247500000, 25022500, 25375450, 25631920, 260841443, 2643041250, 2674410581, 2715779912, 274140153, 2766359805, 279777945, 28284420, 286380160, 289615960, 2925574189, 29535220, 298455000, 3014410581, 304779912, 307500000, 31022500, 31375450, 31631920, 320841443, 3243041250, 3274410581, 3315779912, 334140153, 3366359805, 339777945, 34284420, 346380160, 349615960, 3525574189, 35535220, 358455000, 3614410581, 364779912, 367500000, 37022500, 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22566359805, 2259777945, 226284420, 2266380160, 2269615960, 22725574189, 227535220, 2278455000, 22814410581, 2284779912, 2287500000, 229022500, 229375450, 229631920, 2300841443, 23043041250, 23074410581, 23115779912, 2314140153, 23166359805, 2319777945, 232284420, 2326380160, 2329615960, 23325574189, 233535220, 2338455000, 23414410581, 2344779912, 2347500000, 235022500, 235375450, 235631920, 2360841443, 23643041250, 23674410581, 23715779912, 2374140153, 23766359805, 2379777945, 238284420, 2386380160, 2389615960, 23925574189, 239535220, 2398455000, 24014410581, 2404779912, 2407500000, 241022500, 241375450, 241631920, 2420841443, 24243041250, 24274410581, 24315779912, 2434140153, 24366359805, 2439777945, 244284420, 2446380160, 2449615960, 24525574189, 245535220, 2458455000, 24614410581, 2464779912, 2467500000, 247022500, 247375450, 247631920, 2480841443, 24843041250, 24874410581, 24915779912, 2494140153, 24966359805, 2499777945, 250284420, 2506380160, 2509615960, 25125574189, 251535220, 2518455000, 25214410581, 2524779912, 2527500000, 253022500, 253375450, 253631920, 2540841443, 25443041250, 25474410581, 25515779912, 2554140153, 25566359805, 2559777945, 256284420, 2566380160, 2569615960, 25725574189, 257535220, 2578455000, 25814410581, 2584779912, 2587500000, 259022500, 259375450, 259631920, 2600841443, 26043041250, 26074410581, 26115779912, 2614140153, 26166359805, 2619777945, 262284420, 2626380160, 2629615960, 26325574189, 263535220, 2638455000, 26414410581, 2644779912, 2647500000, 265022500, 265375450, 265631920, 2660841443, 26643041250, 26674410581, 26715779912, 2674140153, 26766359805, 2679777945, 268284420, 2686380160, 268961596
```

```
Out[7]: ['2015',  
         '2016',  
         '2017',  
         '2018',  
         '2019',  
         '2020',  
         '2021',  
         '2022',  
         '2023',  
         '2024']
```

```
In [8]: Sdict
```

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

```
In [9]: Pdict
```

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

```
In [10]: Players,Sdict
```

```
Out[10]: ([['Sachin',
  'Rahul',
  'Smith',
  'Sami',
  'Pollard',
  'Morris',
  'Samson',
  'Dhoni',
  'Kohli',
  'Sky'],
 {'2015': 0,
  '2016': 1,
  '2017': 2,
  '2018': 3,
  '2019': 4,
  '2020': 5,
  '2021': 6,
  '2022': 7,
  '2023': 8,
  '2024': 9}])
```

In [11]: Salary,Players

```
Out[11]: (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, 4822800, 5184480, 5546160,
  6993708, 16402500, 17632688, 18862875],
 [ 3031920, 3841443, 13041250, 14410581, 15779912, 14200000,
  15691000, 17182000, 18673000, 15000000]]),
 ['Sachin',
  'Rahul',
  'Smith',
  'Sami',
  'Pollard',
  'Morris',
  'Samson',
  'Dhoni',
  'Kohli',
  'Sky'])
```

In [12]: Games

```
Out[12]: 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 [13]: Players
```

```
Out[13]: ['Sachin',  
          'Rahul',  
          'Smith',  
          'Sami',  
          'Pollard',  
          'Morris',  
          'Samson',  
          'Dhoni',  
          'Kohli',  
          'Sky']
```

```
In [14]: Points
```

```
Out[14]: 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 [15]: Points[4:9]
```

```
Out[15]: array([[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]])
```

```
In [16]: Points
```

```
Out[16]: 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 [17]: Points[0,1]
```

```
Out[17]: 2430
```

```
In [18]: Pdict['Sachin']
```

```
Out[18]: 0
```

```
In [19]: Pdict
```

```
Out[19]: {'Sachin': 0,  
          'Rahul': 1,  
          'Smith': 2,  
          'Sami': 3,  
          'Pollard': 4,  
          'Morris': 5,  
          'Samson': 6,  
          'Dhoni': 7,  
          'Kohli': 8,  
          'Sky': 9}
```

```
In [20]: Salary
```

```
Out[20]: 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 [21]: Salary[0]
```

```
Out[21]: array([15946875, 17718750, 19490625, 21262500, 23034375, 24806250,  
25244493, 27849149, 30453805, 23500000])
```

```
In [22]: Salary[:]
```

```
Out[22]: 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 [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\Shivamani\AppData\Local\Temp\ipykernel_14256\3709746658.py:1: RuntimeWarning:  
g: divide 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\Shivamani\AppData\Local\Temp\ipykernel_14256\3232172828.py:1: RuntimeWarning: divide by zero encountered in divide
np.round(Salary/Games)
```

```
Out[26]: array([[ 199336.,  230114.,  237691.,  259299.,  315539.,  302515.,
   435250.,  357040.,  5075634.,  671429.],
   [ 146341.,  223582.,  164492.,  180159.,  197063.,  226729.,
   300643.,  274342.,  271731.,  289760.],
   [ 58504.,  74719.,  173883.,  177908.,  207630.,  183544.,
   258427.,  230855.,  247630.,  299194.],
   [ 46420.,  72216.,  169367.,  218342.,  228694.,  222717.,
   336701.,  290299.,  291006.,  561450.],
   [ 54795.,  58619.,  73918.,  174152.,  185397.,  213425.,
   335033.,  257057.,  288918.,  522836.],
   [ 47829.,  61380.,  185896.,  187150.,  225427.,  188312.,
   281096.,  237095.,  241361.,  469191.],
   [ 40311.,  52815.,  45200.,  58643.,  300456.,  186752.,
   272663.,  253992.,  301104.,  244739.],
   [ 0.,  0.,  52140.,  60595.,  58499.,  77611.,
   234949.,  205798.,  220156.,  703542.],
   [ 0.,  0.,  0.,  59541.,  66468.,  68471.,
   179326.,  inf,  1763269.,  369860.],
   [ 40426.,  75322.,  255711.,  182412.,  204934.,  186842.,
   320224.,  249014.,  345796.,  241935.]])
```

```
In [28]: import warnings
warnings.filterwarnings('ignore')
```

```
In [29]: import numpy as np
import matplotlib.pyplot as plt
```

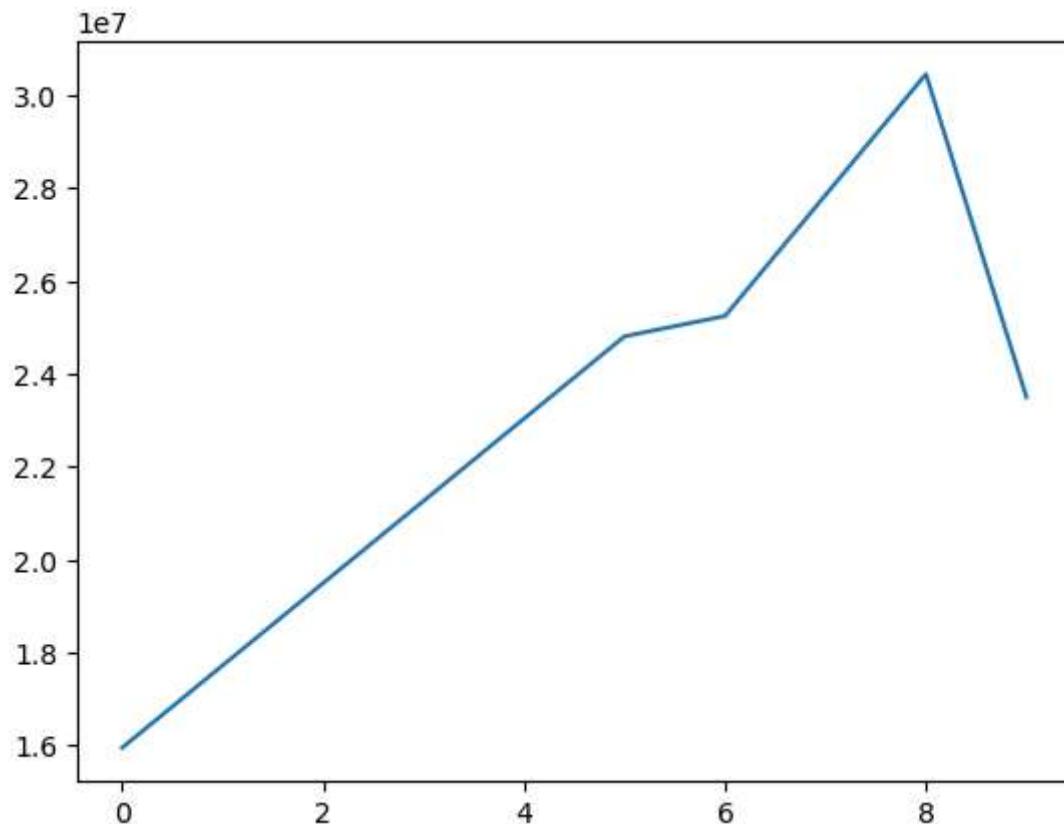
```
In [30]: Salary
```

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

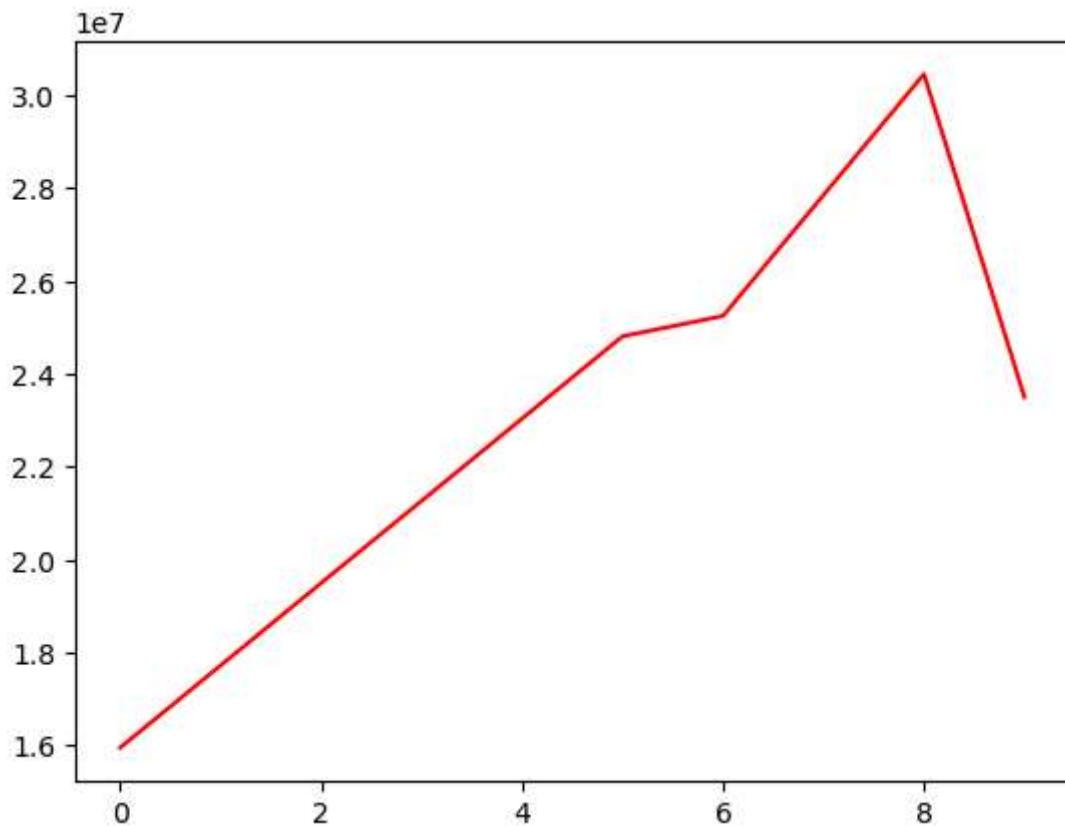
```
In [31]: Salary[0]
```

```
Out[31]: array([15946875, 17718750, 19490625, 21262500, 23034375, 24806250,
   25244493, 27849149, 30453805, 23500000])
```

```
In [33]: plt.plot(Salary[0])
plt.show()
```

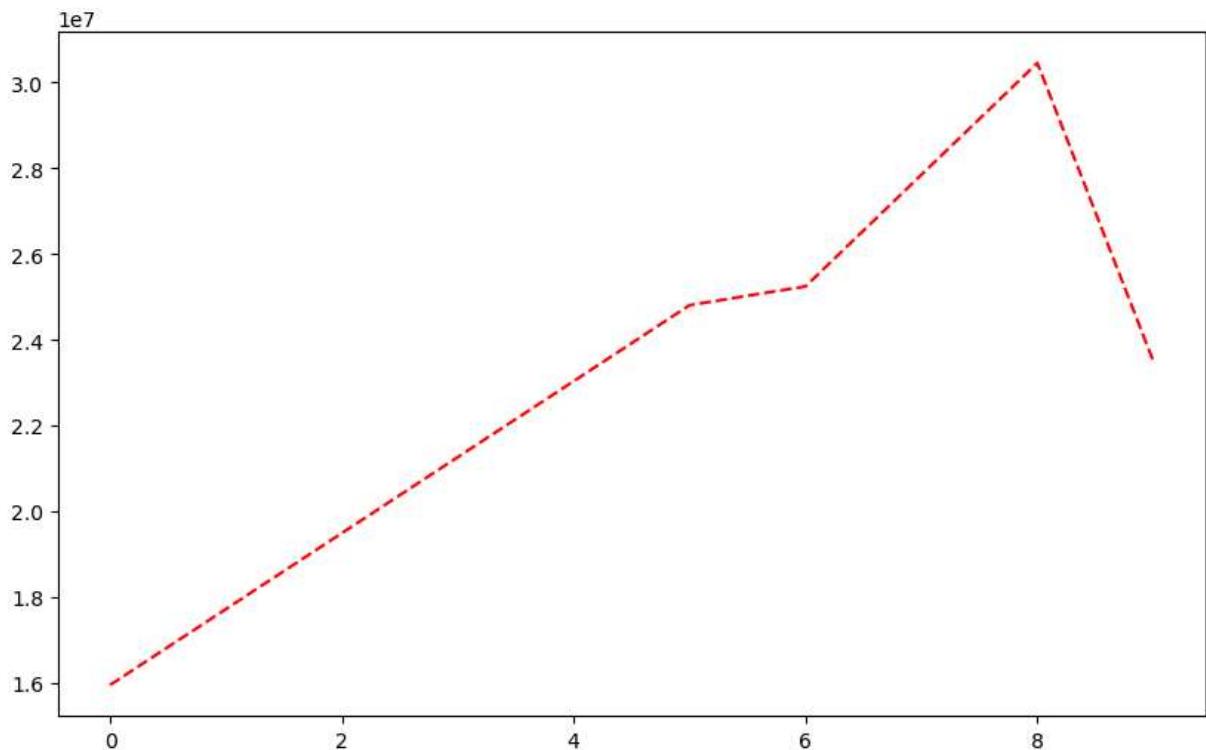


```
In [35]: plt.plot(Salary[0], c='red')
plt.show()
```

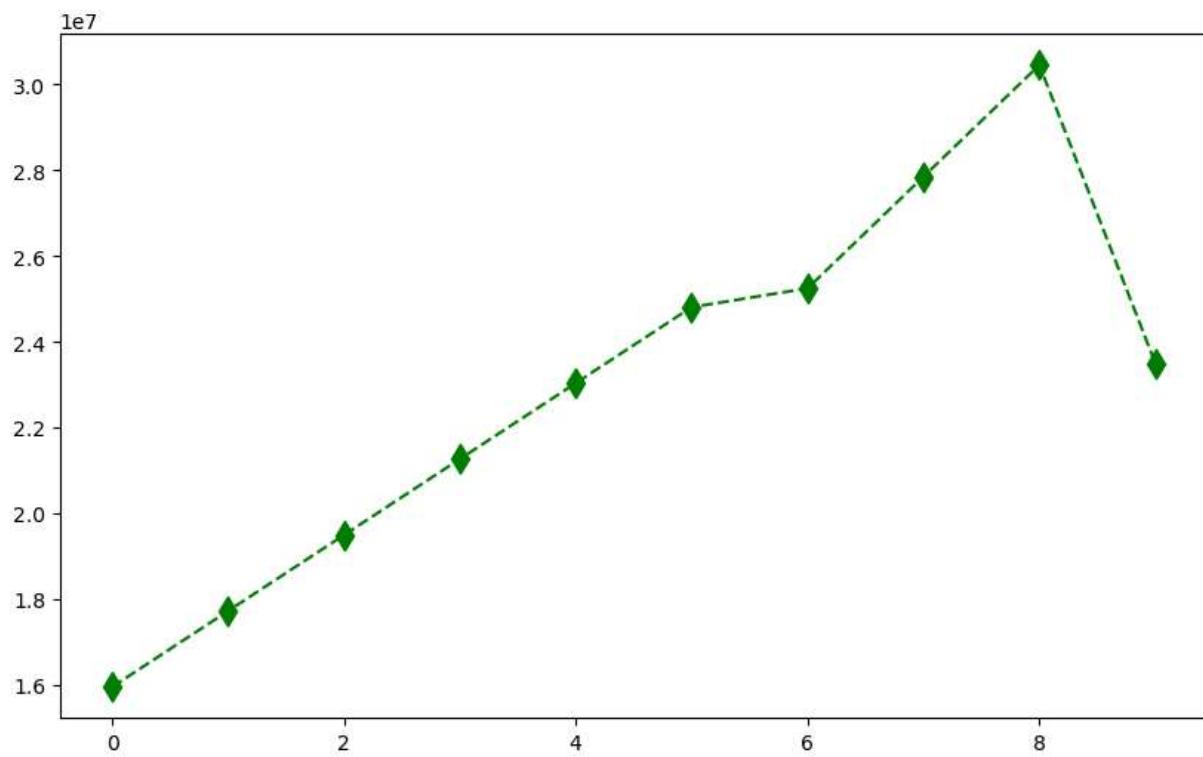


```
In [36]: %matplotlib inline  
plt.rcParams['figure.figsize']=10,6  
plt.show()
```

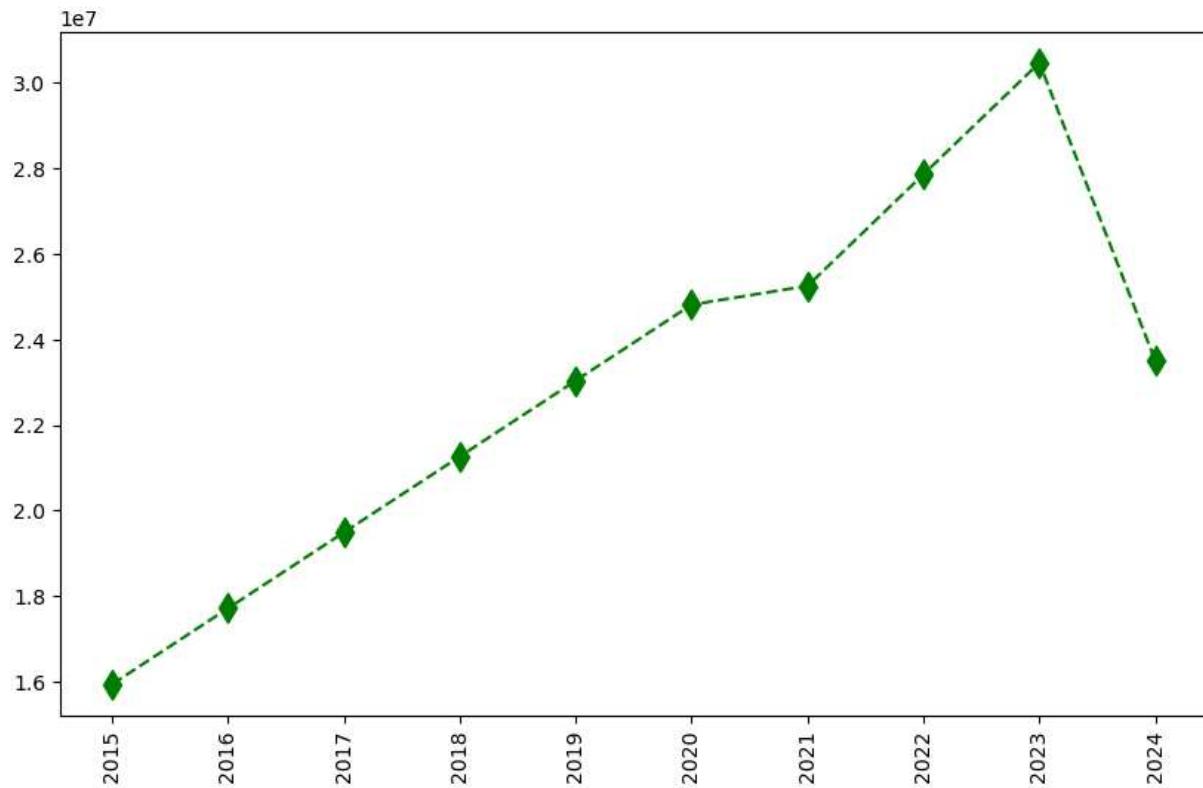
```
In [40]: plt.plot(Salary[0],c='red', ls='--')  
plt.show()
```



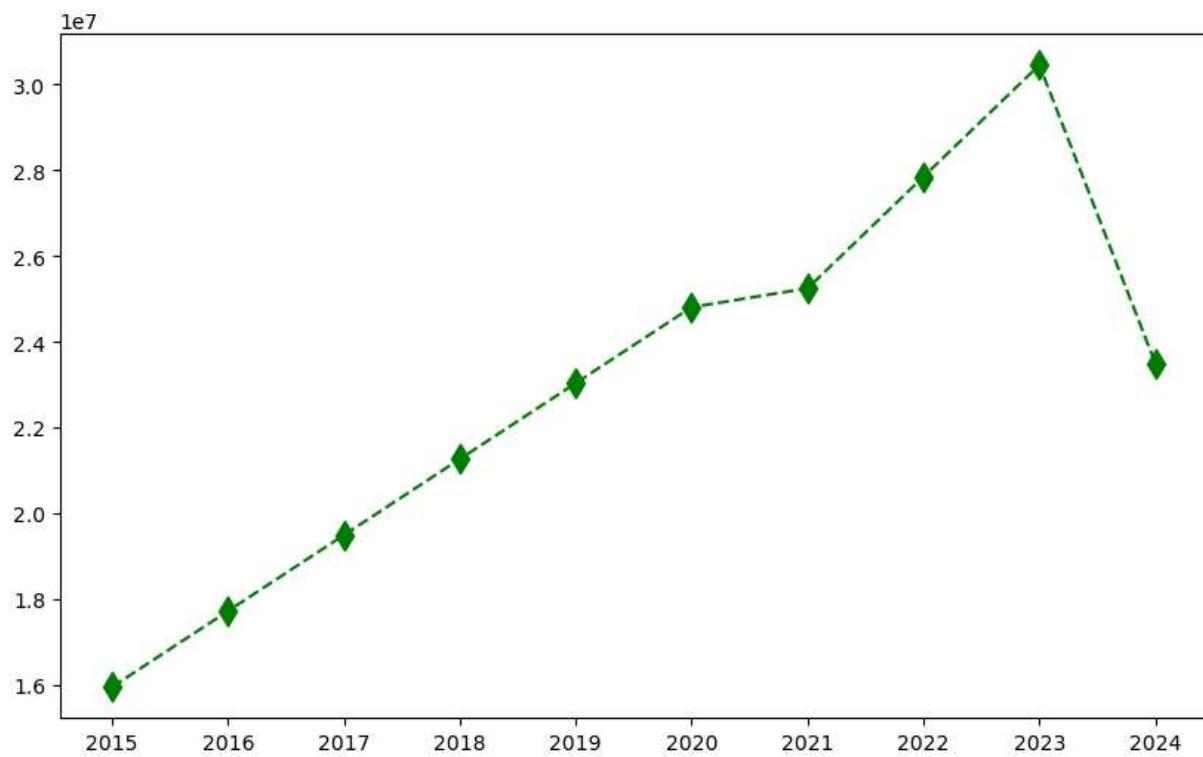
```
In [41]: from re import A  
plt.plot(Salary[0],c='green',ls='--',marker='d',ms='10')  
plt.show()
```



```
In [44]: plt.plot(Salary[0],c='green',ls='--',marker='d',ms='10')  
plt.xticks(list(range(0,10)),Seasons,rotation='vertical')  
plt.show()
```

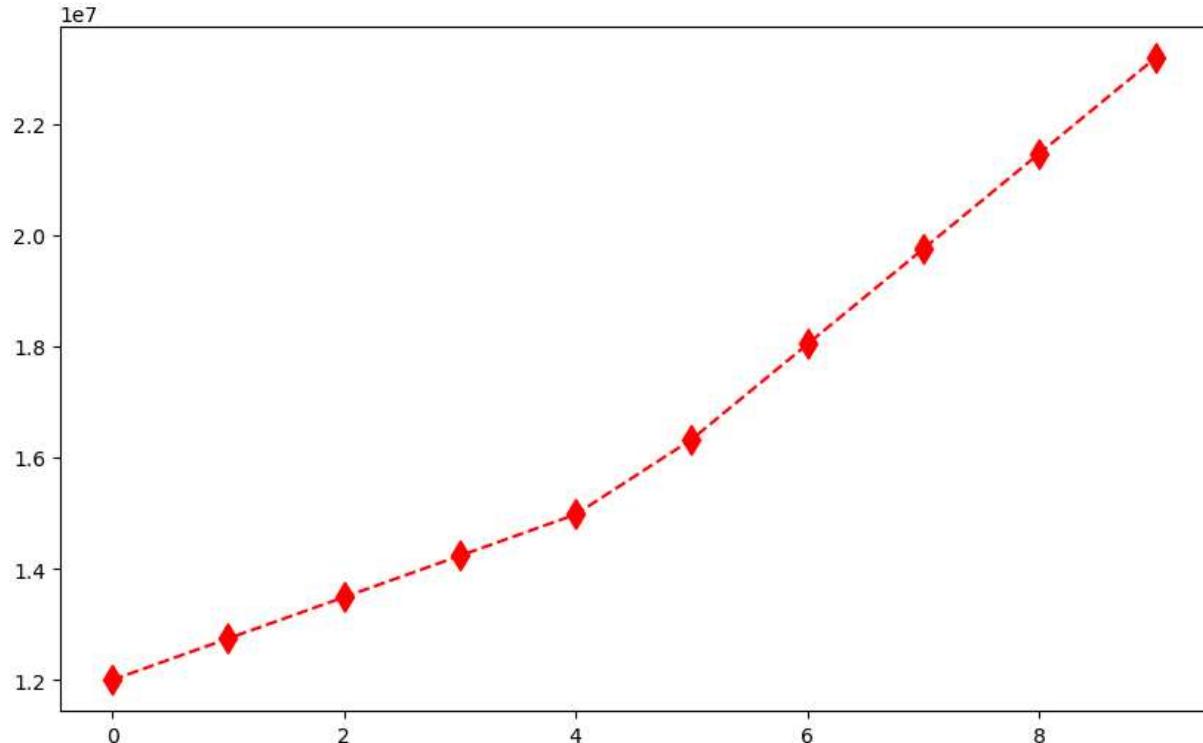


```
In [45]: plt.plot(Salary[0],c='green',ls='--',marker='d',ms=10,label=Players[0])
plt.xticks(list(range(0,10)),Seasons,rotation='horizontal')
plt.show()
```



```
In [47]: plt.plot(Salary[1],c='red',ls='--',marker='d',ms=10,label=Players[1])
```

```
Out[47]: [
```



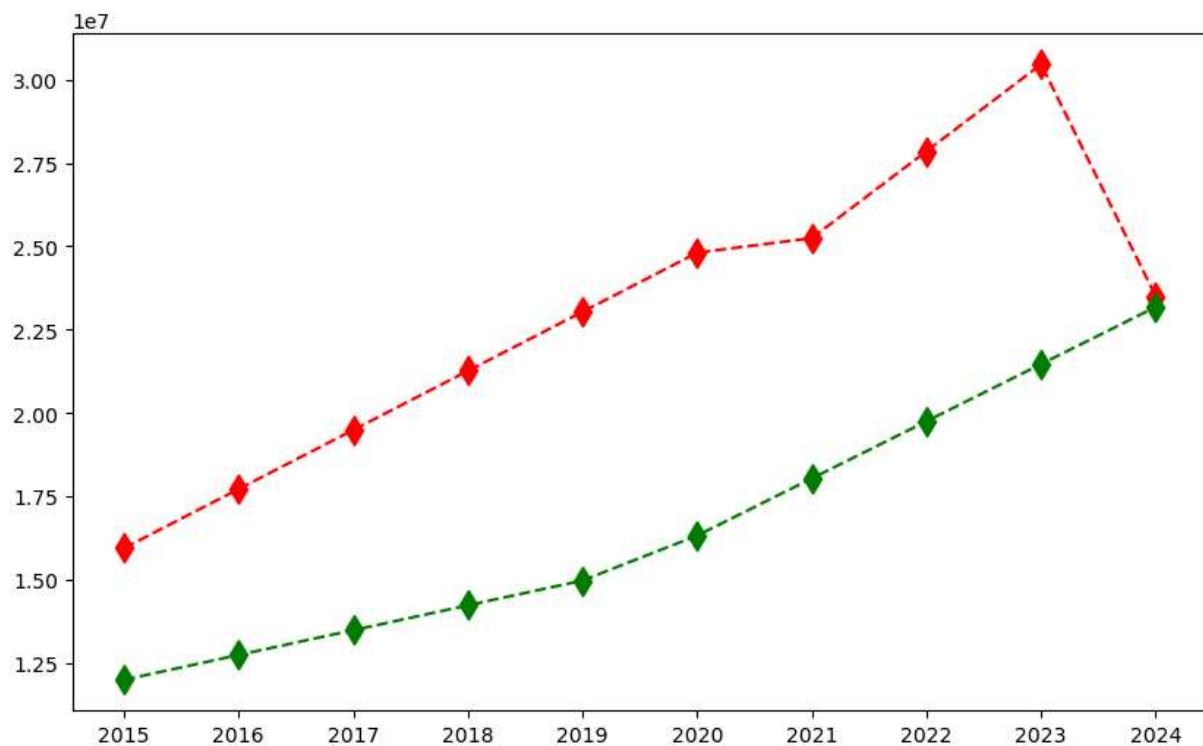
```
In [48]: Salary[0]
```

```
Out[48]: array([15946875, 17718750, 19490625, 21262500, 23034375, 24806250,  
25244493, 27849149, 30453805, 23500000])
```

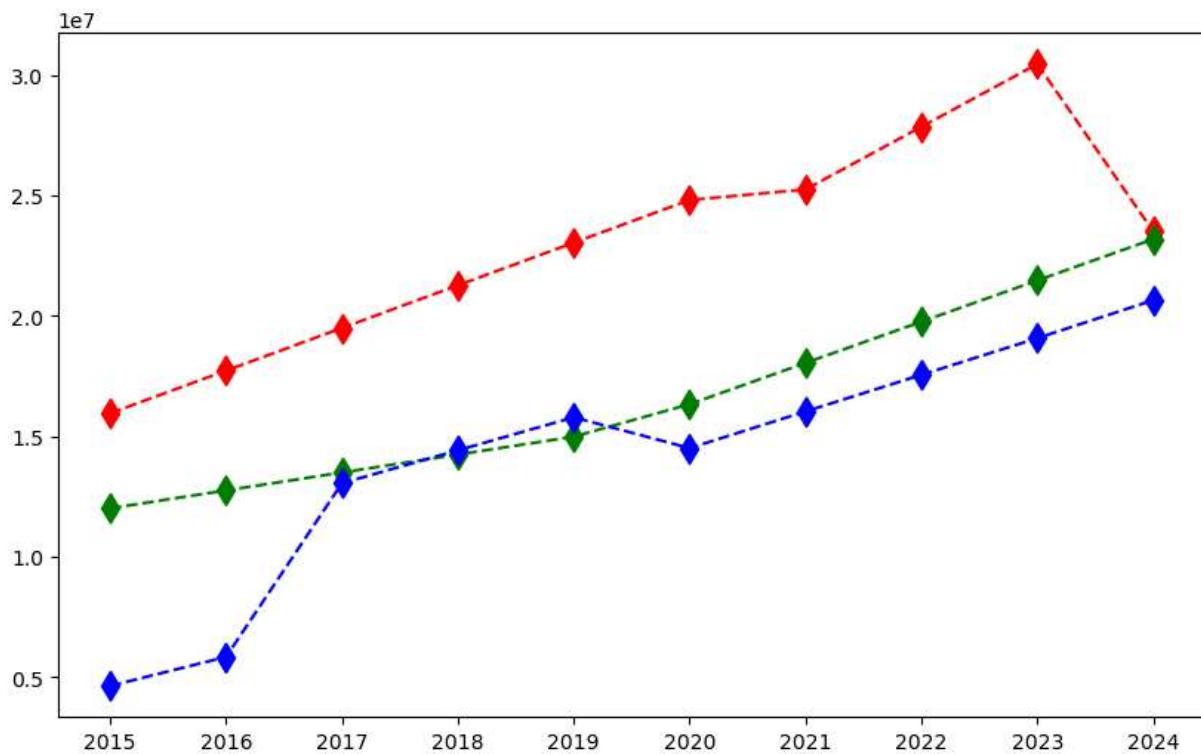
```
In [49]: Salary[1]
```

```
Out[49]: array([12000000, 12744189, 13488377, 14232567, 14976754, 16324500,  
18038573, 19752645, 21466718, 23180790])
```

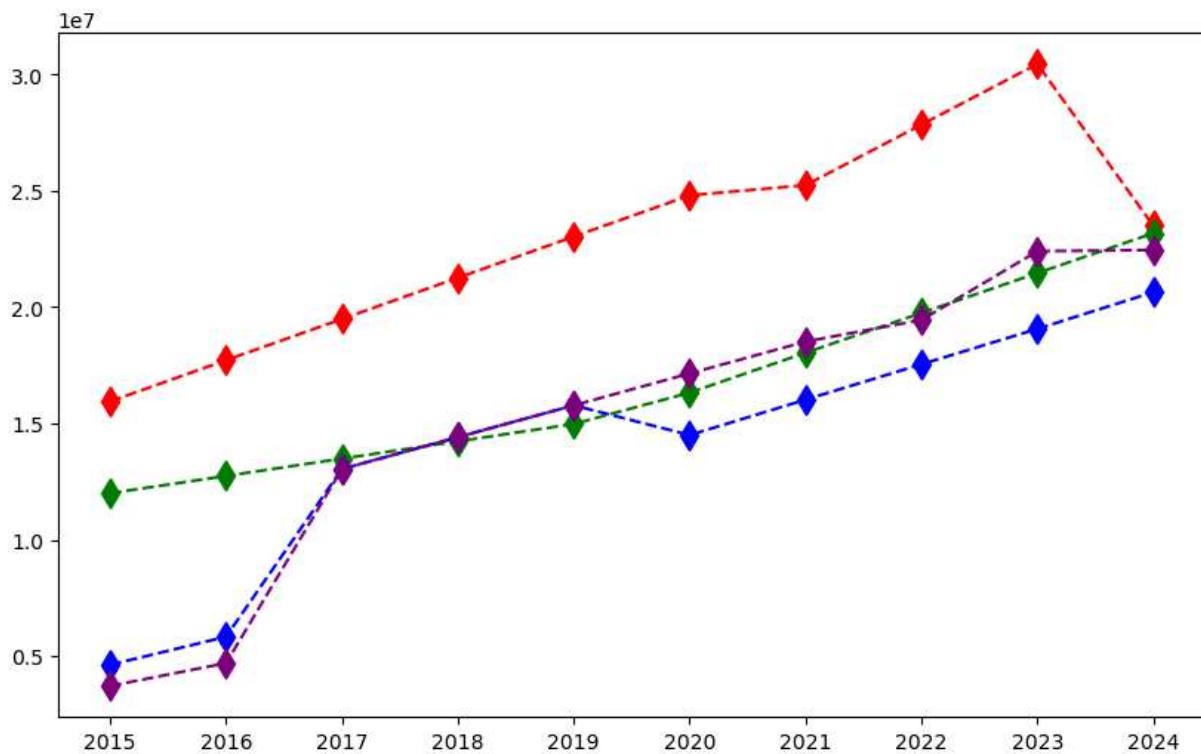
```
In [51]: plt.plot(Salary[0],c='red',ls='--',marker='d',ms=10,label=Players[0])  
plt.plot(Salary[1],c='green',ls='--',marker='d',ms=10,label=Players[1])  
plt.xticks(list(range(0,10)),Seasons,rotation='horizontal')  
plt.show()
```



```
In [52]: plt.plot(Salary[0],c='red',ls='--',marker='d',ms=10,label=Players[0])  
plt.plot(Salary[1],c='green',ls='--',marker='d',ms=10,label=Players[1])  
plt.plot(Salary[2],c='blue',ls='--',marker='d',ms=10,label=Players[2])  
plt.xticks(list(range(0,10)),Seasons,rotation='horizontal')  
plt.show()
```

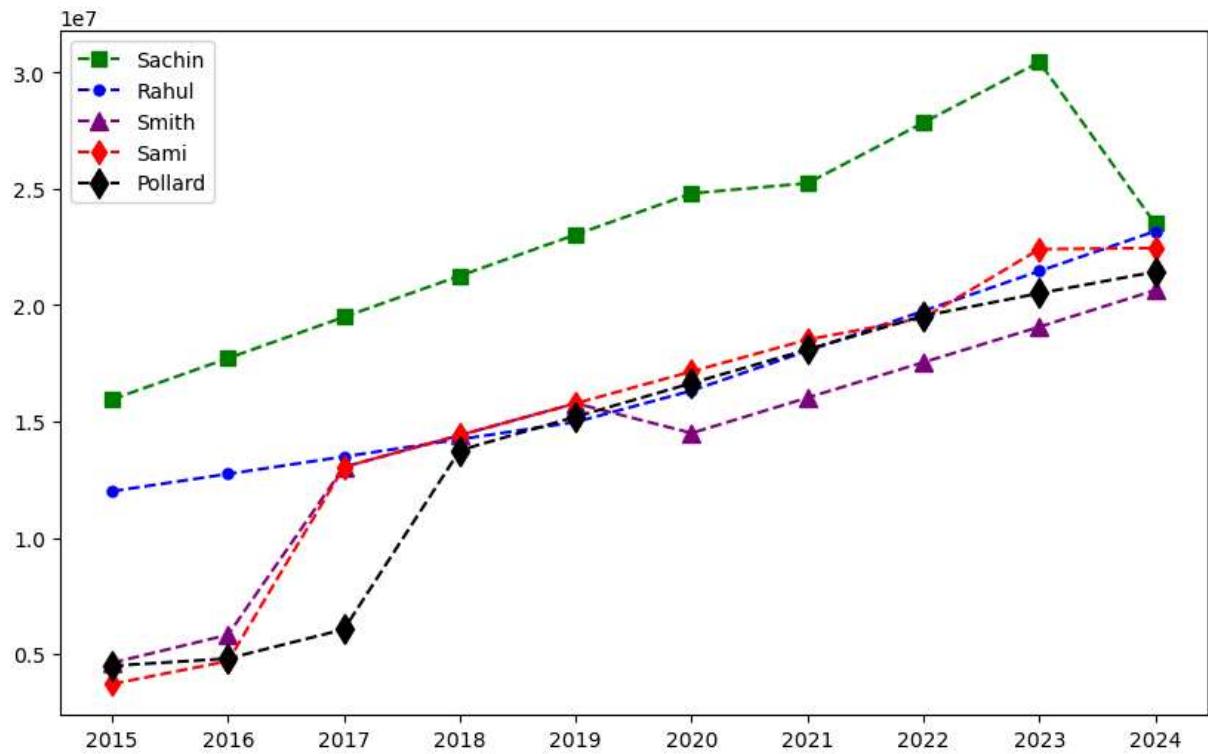


```
In [53]: plt.plot(Salary[0],c='red',ls='--',marker='d',ms=10,label=Players[0])
plt.plot(Salary[1],c='green',ls='--',marker='d',ms=10,label=Players[1])
plt.plot(Salary[2],c='blue',ls='--',marker='d',ms=10,label=Players[2])
plt.plot(Salary[3],c='purple',ls='--',marker='d',ms=10,label=Players[3])
plt.xticks(list(range(0,10)),Seasons,rotation='horizontal')
plt.show()
```



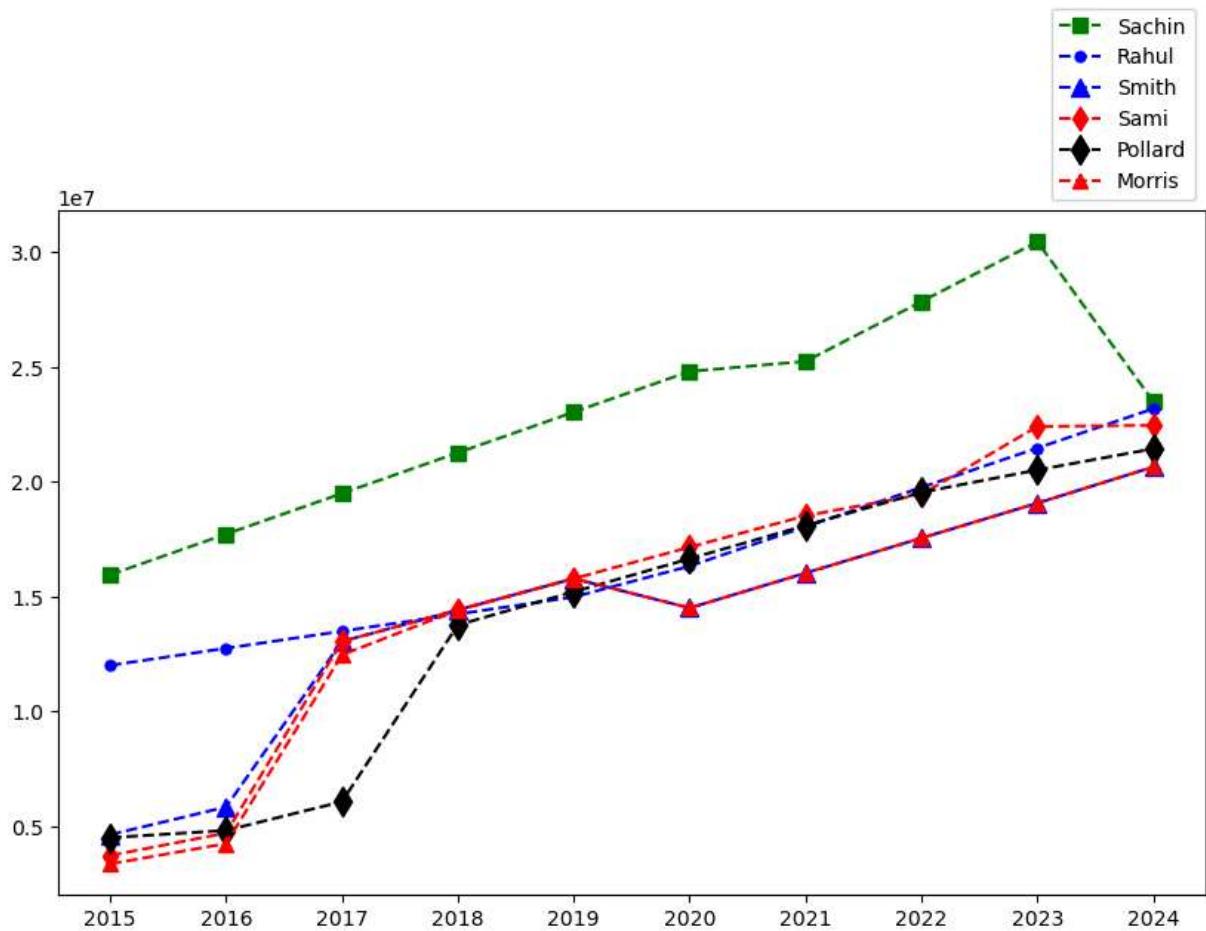
```
In [60]: plt.plot(Salary[0],c='green',ls='--',marker='s',ms=7,label=Players[0])
plt.plot(Salary[1],c='blue',ls='--',marker='o',ms=5,label=Players[1])
```

```
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.plot(Salary[4],c='black',ls='--',marker='d',ms=10,label=Players[4])
plt.legend()
plt.xticks(list(range(0,10)),Seasons,rotation='horizontal')
plt.show()
```



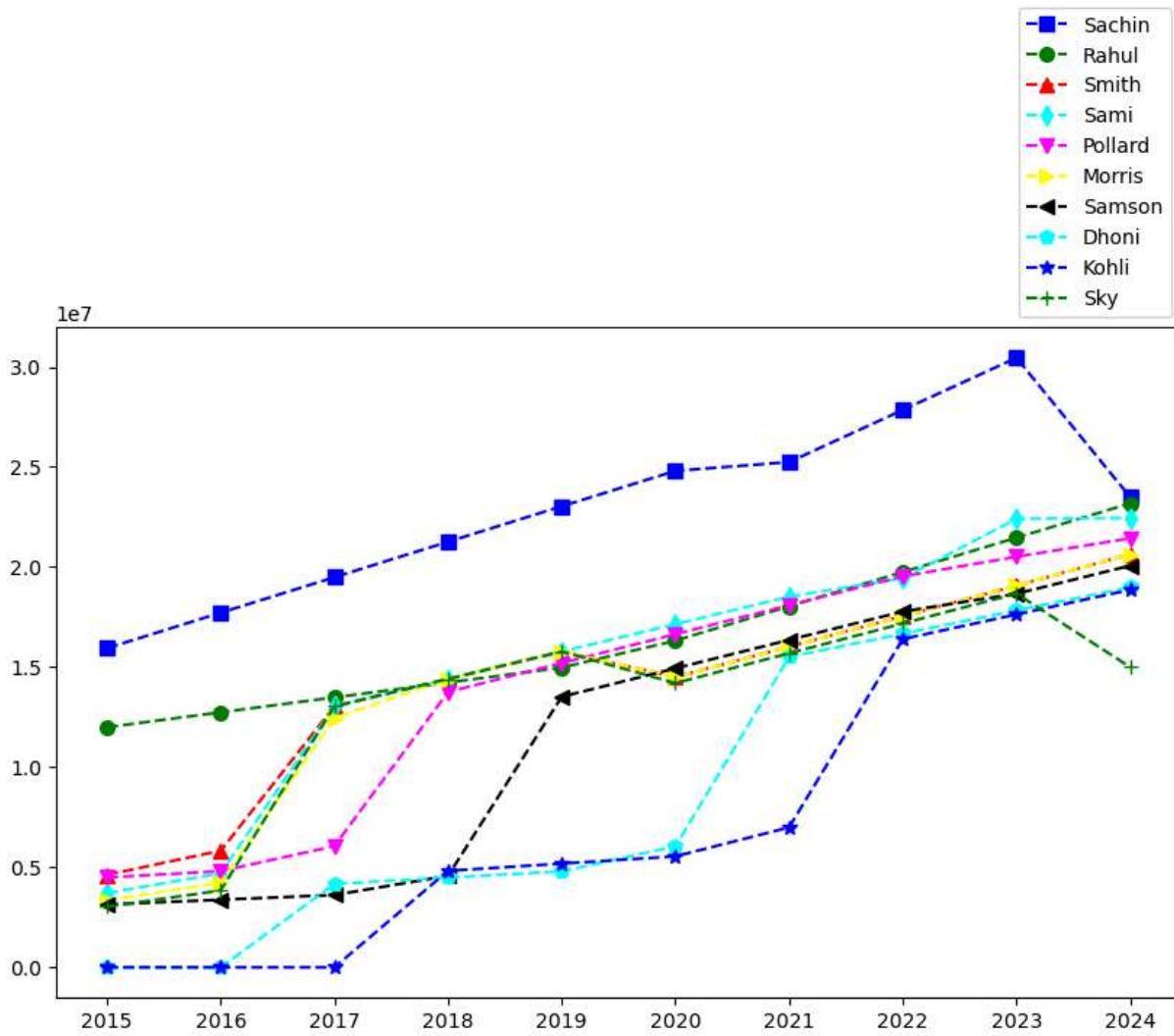
In [61]:

```
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='blue',ls='--',marker='^',ms=8,label=Players[2])
plt.plot(Salary[3],c='red',ls='--',marker='d',ms=8,label=Players[3])
plt.plot(Salary[4],c='black',ls='--',marker='d',ms=10,label=Players[4])
plt.plot(Salary[5],c='red',ls='--',marker='^',ms=7,label=Players[5])
plt.legend(loc='lower right',bbox_to_anchor=(1,1))
plt.xticks(list(range(0,10)),Seasons,rotation='horizontal')
plt.show()
```



```
In [63]: plt.plot(Salary[0],c='blue',ls='--',marker='s',ms=7,label=Players[0])
plt.plot(Salary[1],c='green',ls='--',marker='o',ms=7,label=Players[1])
plt.plot(Salary[2],c='red',ls='--',marker='^',ms=7,label=Players[2])
plt.plot(Salary[3],c='cyan',ls='--',marker='d',ms=7,label=Players[3])
plt.plot(Salary[4],c='magenta',ls='--',marker='v',ms=7,label=Players[4])
plt.plot(Salary[5],c='yellow',ls='--',marker='>',ms=7,label=Players[5])
plt.plot(Salary[6],c='black',ls='--',marker='<',ms=7,label=Players[6])
plt.plot(Salary[7],c='cyan',ls='--',marker='p',ms=7,label=Players[7])
plt.plot(Salary[8],c='blue',ls='--',marker='*',ms=7,label=Players[8])
plt.plot(Salary[9],c='green',ls='--',marker='+',ms=7,label=Players[9])

plt.legend(loc='lower right',bbox_to_anchor=(1,1))
plt.xticks(list(range(0,10)),Seasons,rotation='horizontal')
plt.show()
```

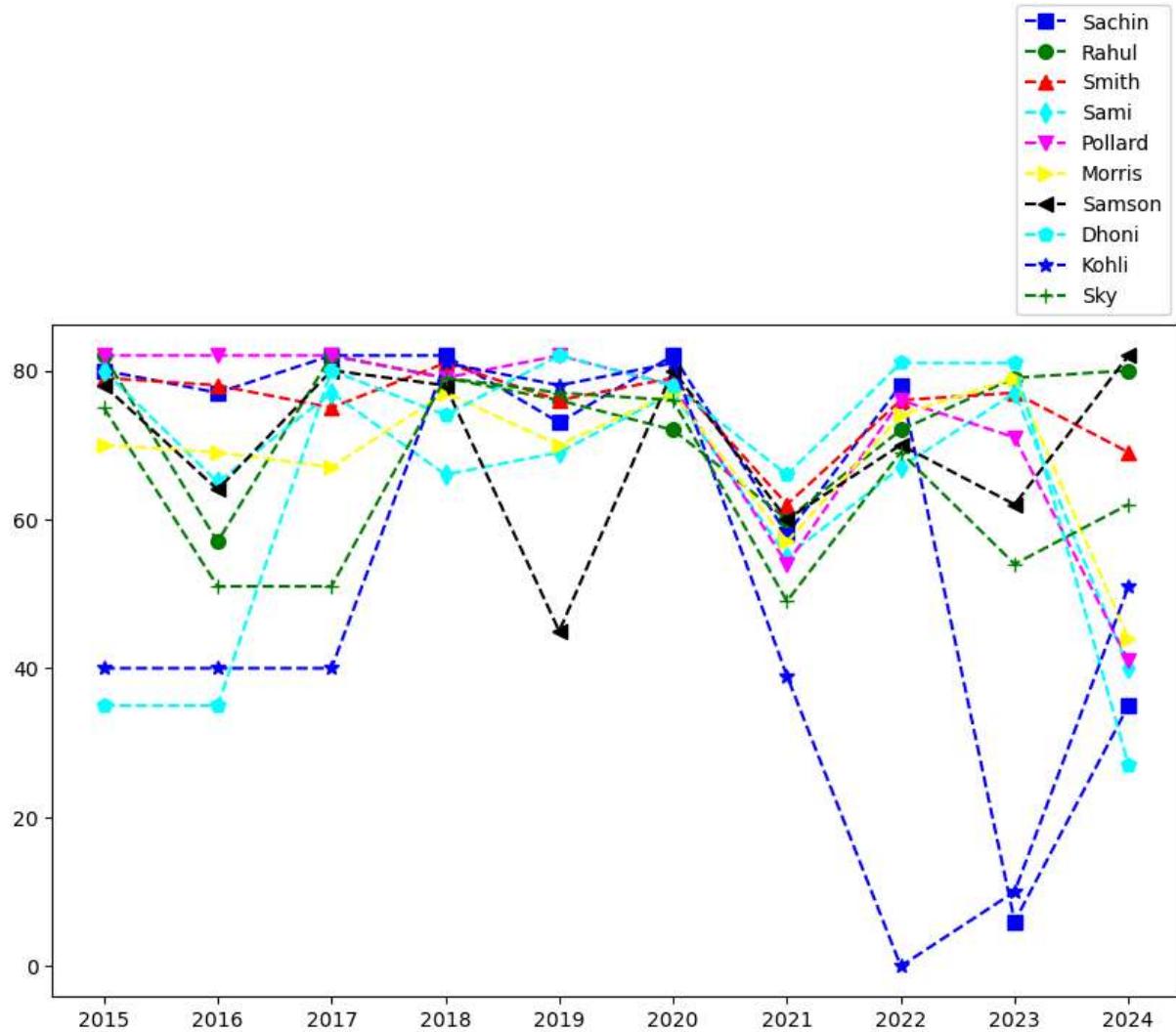


In [64]: Games

```
Out[64]: 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 [65]: plt.plot(Games[0],c='blue',ls='--',marker='s',ms=7,label=Players[0])
plt.plot(Games[1],c='green',ls='--',marker='o',ms=7,label=Players[1])
plt.plot(Games[2],c='red',ls='--',marker='^',ms=7,label=Players[2])
plt.plot(Games[3],c='cyan',ls='--',marker='d',ms=7,label=Players[3])
plt.plot(Games[4],c='magenta',ls='--',marker='v',ms=7,label=Players[4])
plt.plot(Games[5],c='yellow',ls='--',marker='>',ms=7,label=Players[5])
plt.plot(Games[6],c='black',ls='--',marker='<',ms=7,label=Players[6])
plt.plot(Games[7],c='cyan',ls='--',marker='p',ms=7,label=Players[7])
plt.plot(Games[8],c='blue',ls='--',marker='*',ms=7,label=Players[8])
plt.plot(Games[9],c='green',ls='--',marker='+',ms=7,label=Players[9])
```

```
plt.legend(loc='lower right',bbox_to_anchor=(1,1))
plt.xticks(list(range(0,10)),Seasons,rotation='horizontal')
plt.show()
```



In [66]: Points

```
Out[66]: 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 [63]: plt.plot(Points[0],c='blue',ls='--',marker='s',ms=7,label=Players[0])
plt.plot(Points[1],c='green',ls='--',marker='o',ms=7,label=Players[1])
plt.plot(Points[2],c='red',ls='--',marker='^',ms=7,label=Players[2])
plt.plot(Points[3],c='cyan',ls='--',marker='d',ms=7,label=Players[3])
plt.plot(Points[4],c='magenta',ls='--',marker='v',ms=7,label=Players[4])
plt.plot(Points[5],c='yellow',ls='--',marker='>',ms=7,label=Players[5])
```

```
plt.plot(Points[6],c='black',ls='--',marker='<',ms=7,label=Players[6])
plt.plot(Points[7],c='cyan',ls='--',marker='p',ms=7,label=Players[7])
plt.plot(P[8],c='blue',ls='--',marker='*',ms=7,label=Players[8])
plt.plot(Salary[9],c='green',ls='--',marker='+',ms=7,label=Players[9])

plt.legend(loc='lower right',bbox_to_anchor=(1,1))
plt.xticks(list(range(0,10)),Seasons,rotation='horizontal')
plt.show()
```

