In [1]:
```
import numpy as np
```

In [2]:
```
overs=[1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20]
over_dict={1:0,2:1,3:2,4:3,5:4,6:5,7:6,8:7,9:8,10:9,11:10,12:11,13:12,14:13,15:1

#runs
ind_runs =[0,2,10,12,10,15,7,5,14,15,9,12,13,18,20,5,8,7,3,13,4] #runs will star
sa_runs=[0,10,9,9,13,3,5,9,10,8,2,1,8,6,8,13,6,6,0,0,0]          #zeroth over do

runs=([ind_runs,sa_runs])
```

In [3]:
```
import matplotlib.pyplot as plt #import matplotlib.pyplot
```

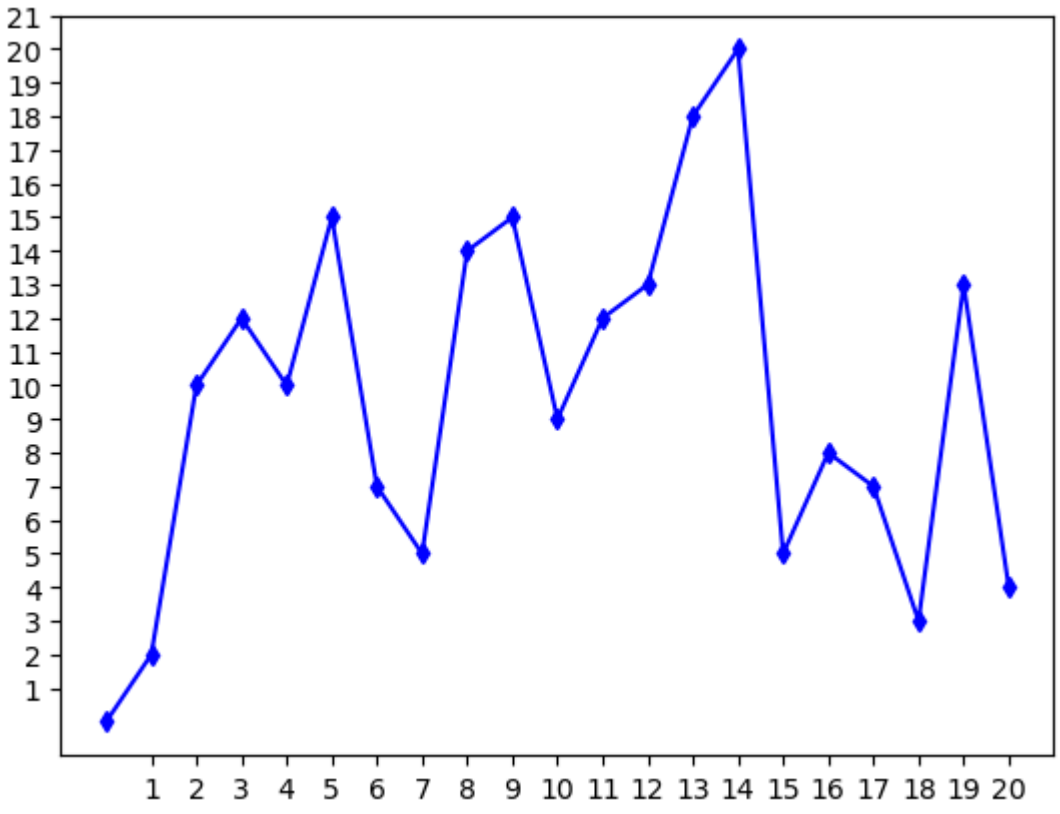
In [4]:
```
%matplotlib inline
```

In [5]:
```
import warnings
warnings.filterwarnings('ignore')
```

In [6]:
```
runs
```

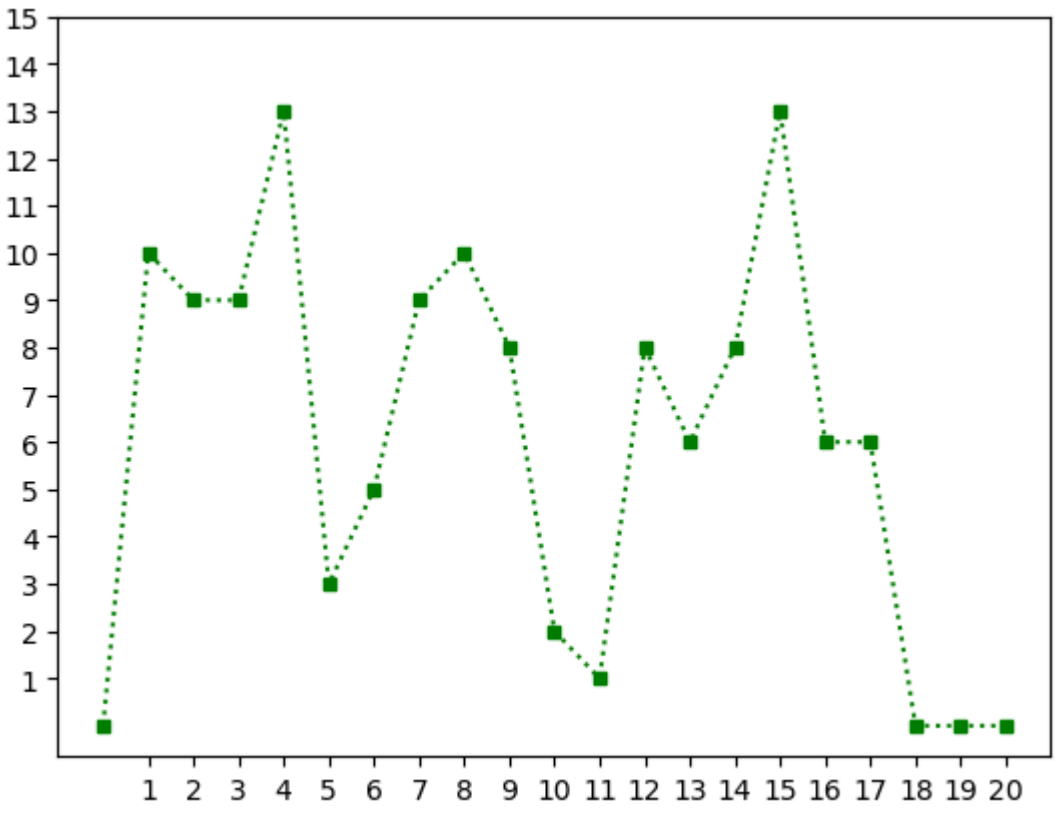
Out[6]:
```
[[0, 2, 10, 12, 10, 15, 7, 5, 14, 15, 9, 12, 13, 18, 20, 5, 8, 7, 3, 13, 4],
 [0, 10, 9, 9, 13, 3, 5, 9, 10, 8, 2, 1, 8, 6, 8, 13, 6, 6, 0, 0, 0]]
```

In [7]:
```
plt.plot(runs[0],ls='-',c='b',marker='d',ms=5) #indian team score
plt.xticks(list(range(1,21)),overs)
plt.yticks(list(range(1,22)))
plt.show()
```




In [8]:
```
plt.plot(runs[1],ls=':',c='g',marker='s',ms=5) #south african team score
plt.xticks(list(range(1,21)),overs)
```

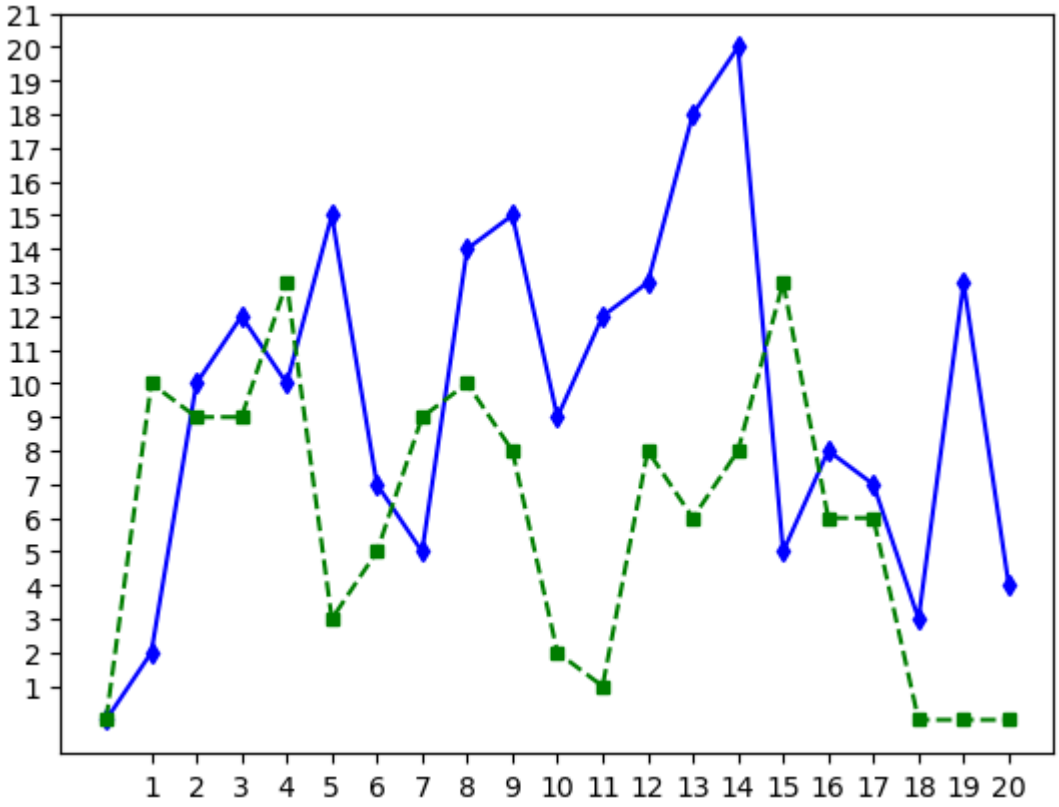
```
plt.yticks(list(range(1,16)))
plt.show()
```




In [9]:
```
over_dict
```

Out[9]:
```
{1: 0,
 2: 1,
 3: 2,
 4: 3,
 5: 4,
 6: 5,
 7: 6,
 8: 7,
 9: 8,
 10: 9,
 11: 10,
 12: 11,
 13: 12,
 14: 13,
 15: 14,
 16: 15,
 17: 16,
 18: 17,
 19: 18,
 20: 19}
```

In [10]:
```
plt.plot(runs[0],ls='-',c='b',marker='d',ms=5) #comparsion of indian and south a
plt.plot(runs[1],ls='--',c='g',marker='s',ms=5)
plt.xticks(list(range(1,21)),overs)
plt.yticks(range(1,22))
plt.show()
```


21
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20