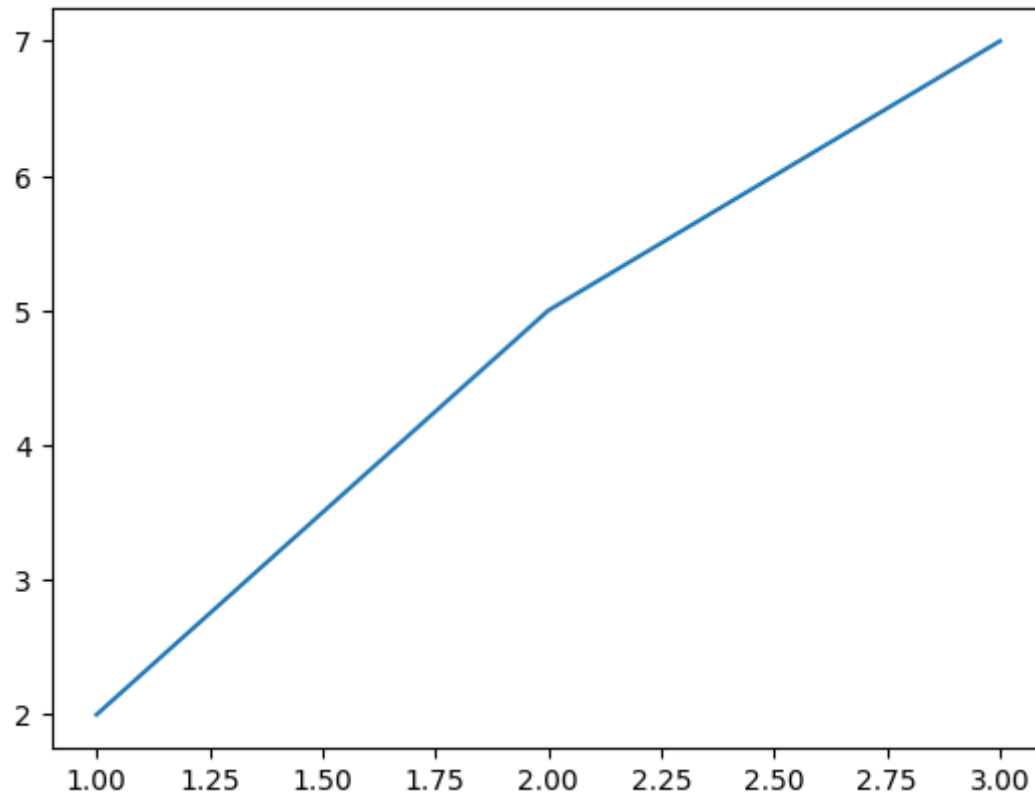


```
In [1]: %matplotlib inline  
from matplotlib import pyplot as plt
```

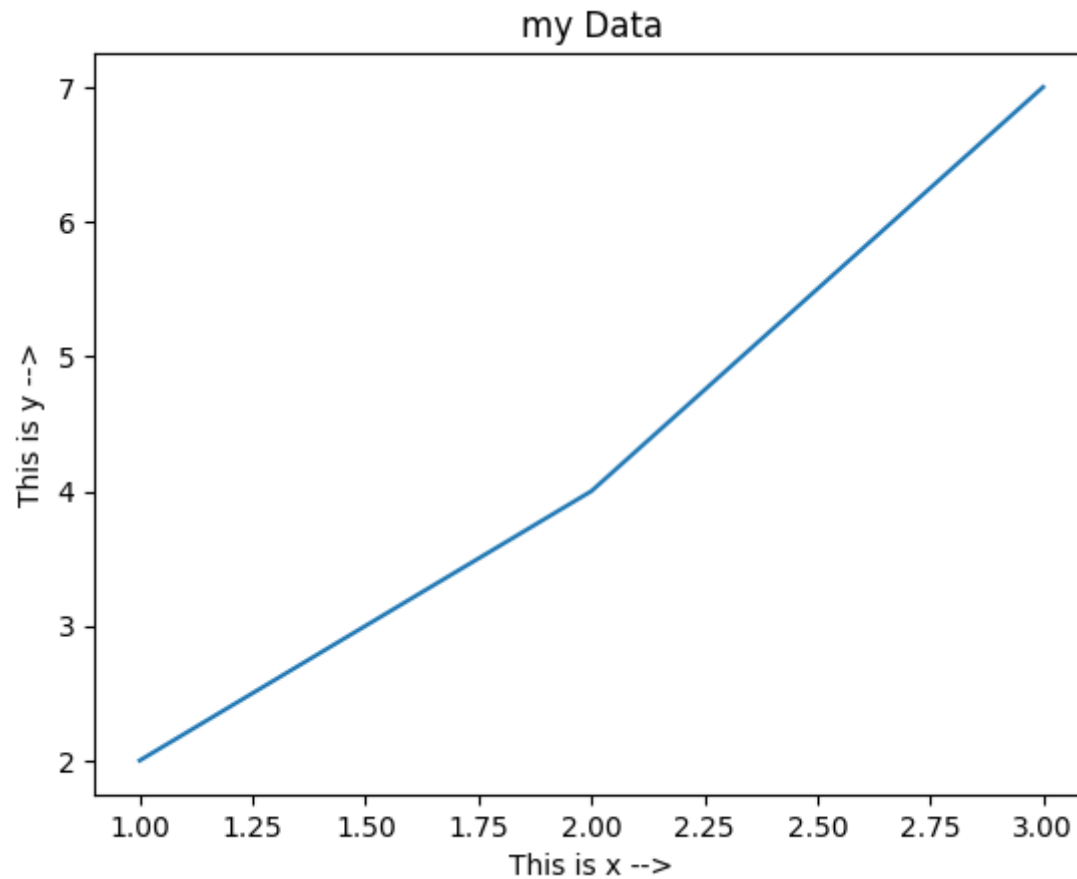
```
In [2]: plt.plot([1,2,3],[2,5,7])
```

```
Out[2]: [<matplotlib.lines.Line2D at 0x248065442e0>]
```



```
In [3]: plt.plot([1,2,3],[2,4,7])  
plt.title("my Data")  
plt.xlabel("This is x -->")  
plt.ylabel("This is y -->")
```

```
Out[3]: Text(0, 0.5, 'This is y -->')
```



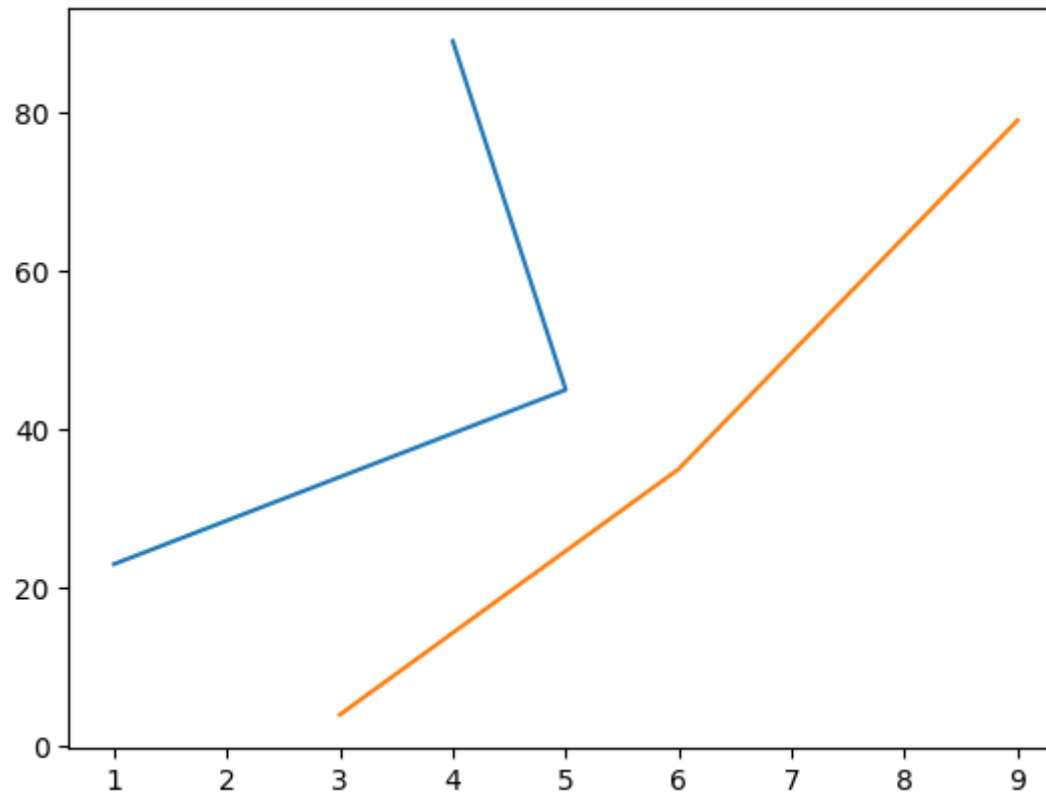
for more then one line

for comparing or any thing else

```
In [4]: x = [1,5,4]
        y = [23,45,89]
        x2 = [3,6,9]
        y2 = [4,35,79]
```

```
In [5]: plt.plot(x,y)
        plt.plot(x2,y2)
```

```
Out[5]: [<matplotlib.lines.Line2D at 0x24806610d00>]
```

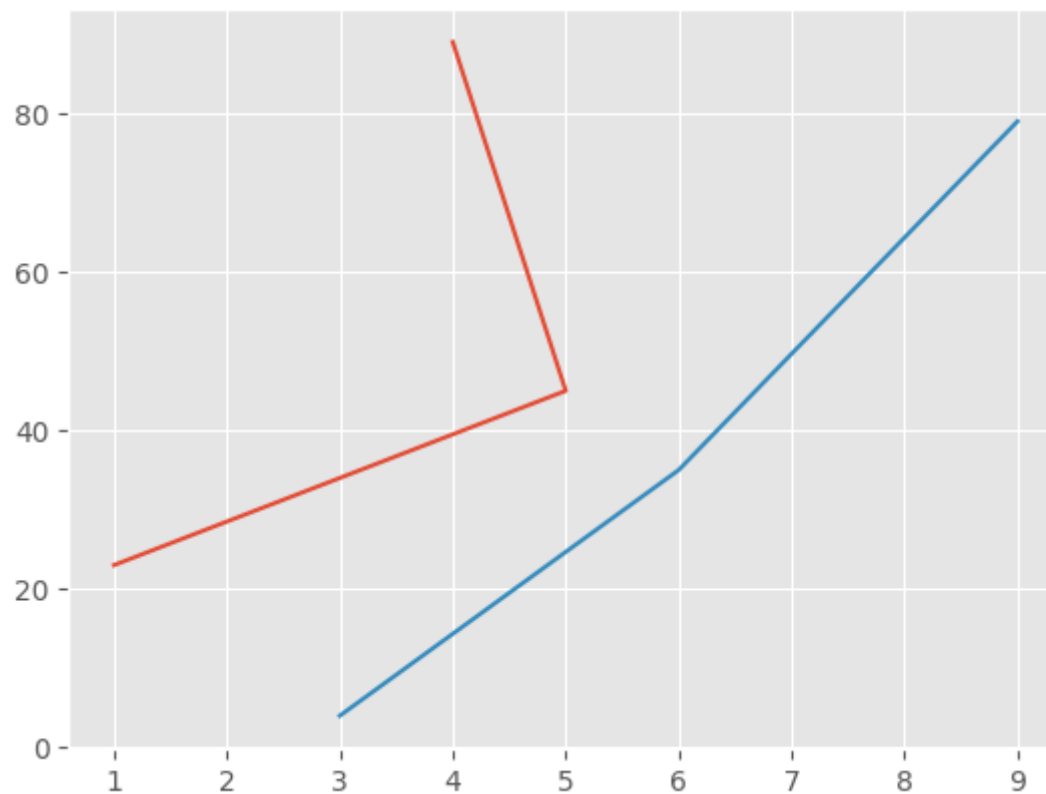


to change the style of graph/plot

```
In [6]: from matplotlib import style
```

```
In [7]: style.use('ggplot')  
plt.plot(x,y)  
plt.plot(x2,y2)
```

```
Out[7]: [<matplotlib.lines.Line2D at 0x24806696a90>]
```

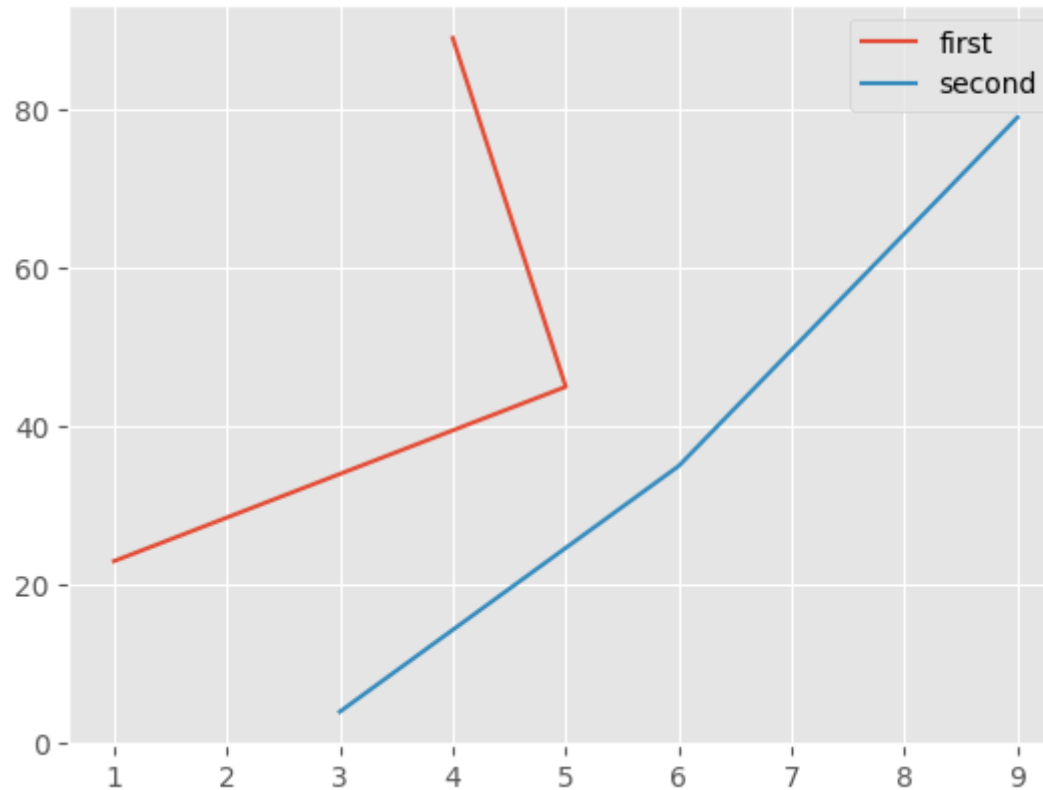


can see more styles in

https://matplotlib.org/stable/gallery/style_sheets/style_sheets_reference.html
(https://matplotlib.org/stable/gallery/style_sheets/style_sheets_reference.html)

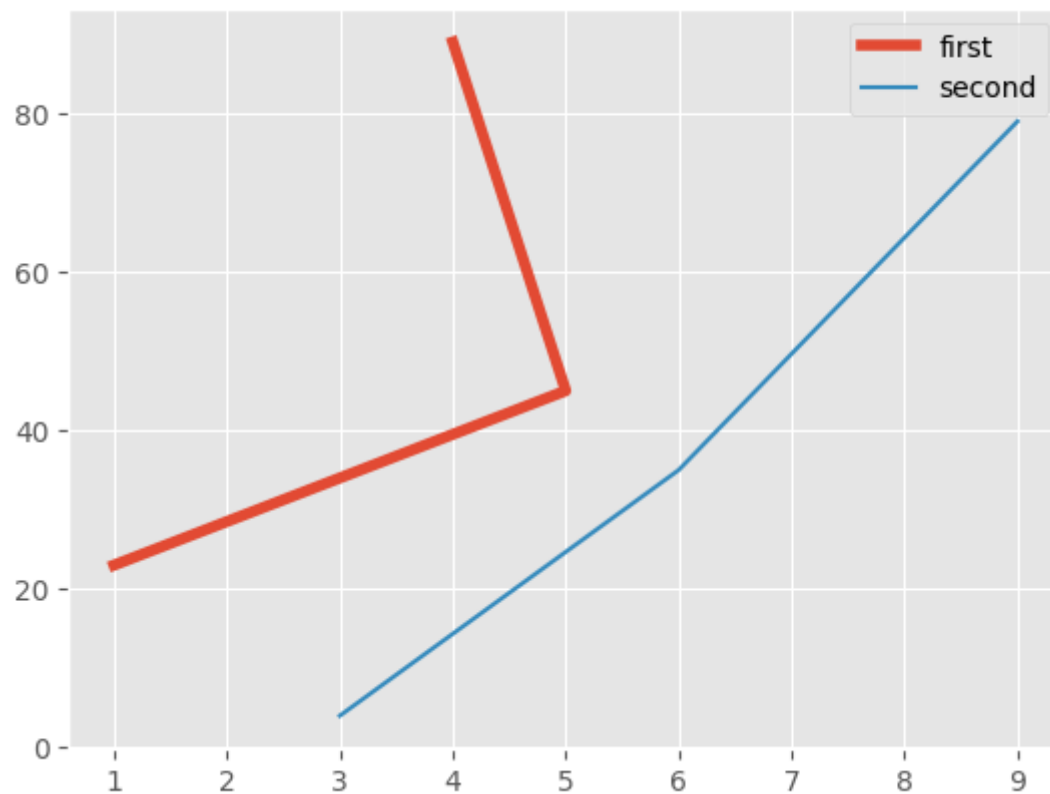
```
In [8]: style.use('ggplot')  
plt.plot(x,y ,label="first")  
plt.plot(x2,y2 ,label="second")  
plt.legend()
```

Out[8]: <matplotlib.legend.Legend at 0x24808796280>



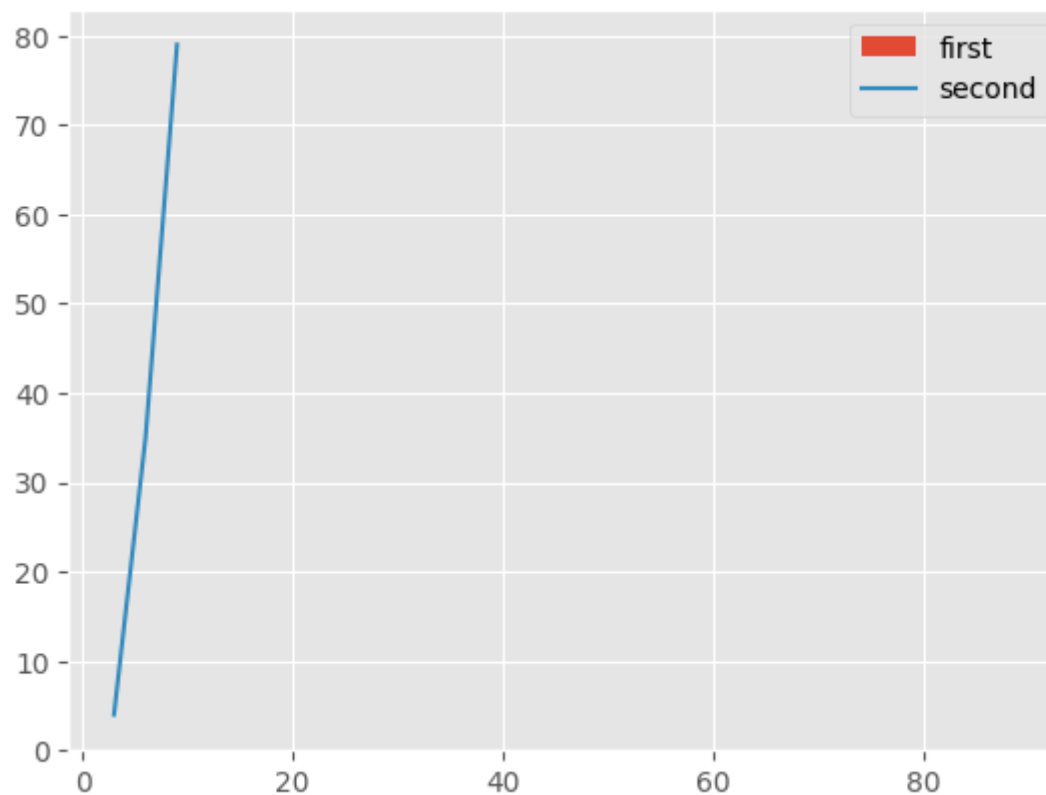
```
In [9]: style.use('ggplot')  
plt.plot(x,y ,label="first" , linewidth=4)  
plt.plot(x2,y2 ,label="second")  
plt.legend()
```

Out[9]: <matplotlib.legend.Legend at 0x24808820b50>



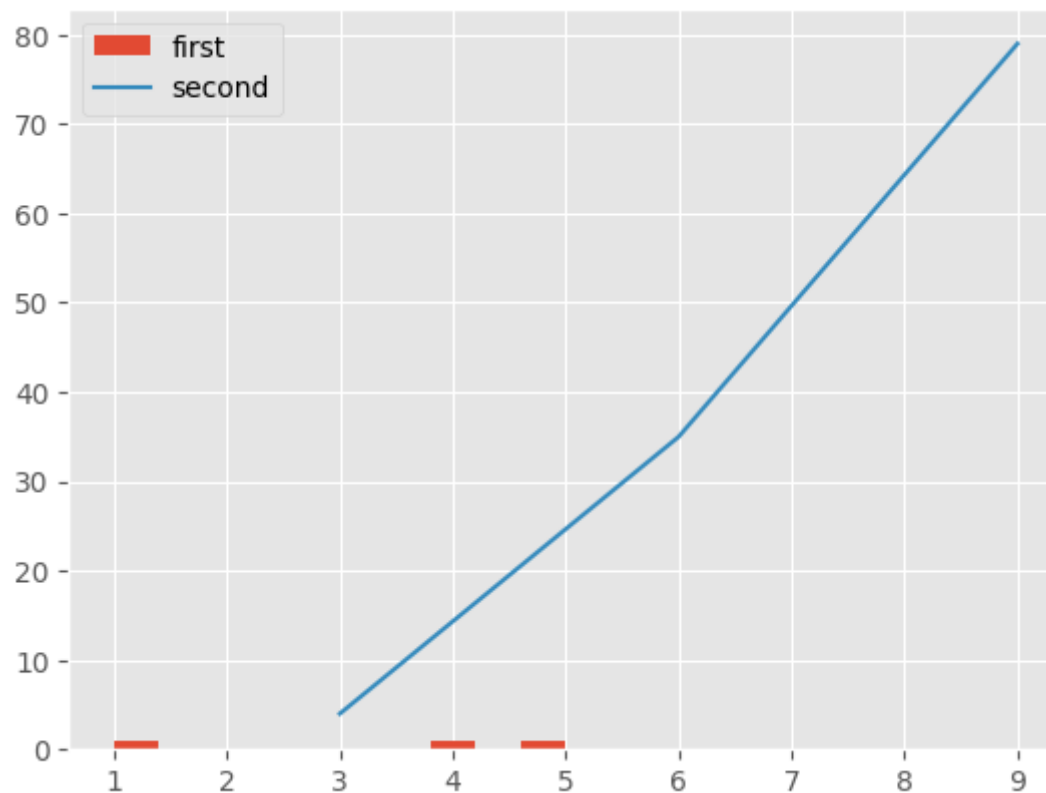
```
In [10]: style.use('ggplot')  
plt.hist(x,y ,label="first")  
plt.plot(x2,y2 ,label="second")  
plt.legend()
```

Out[10]: <matplotlib.legend.Legend at 0x248088aefa0>



```
In [11]: style.use('ggplot')  
plt.hist(x ,label="first")  
plt.plot(x2,y2 ,label="second")  
plt.legend()
```

Out[11]: <matplotlib.legend.Legend at 0x24808985880>

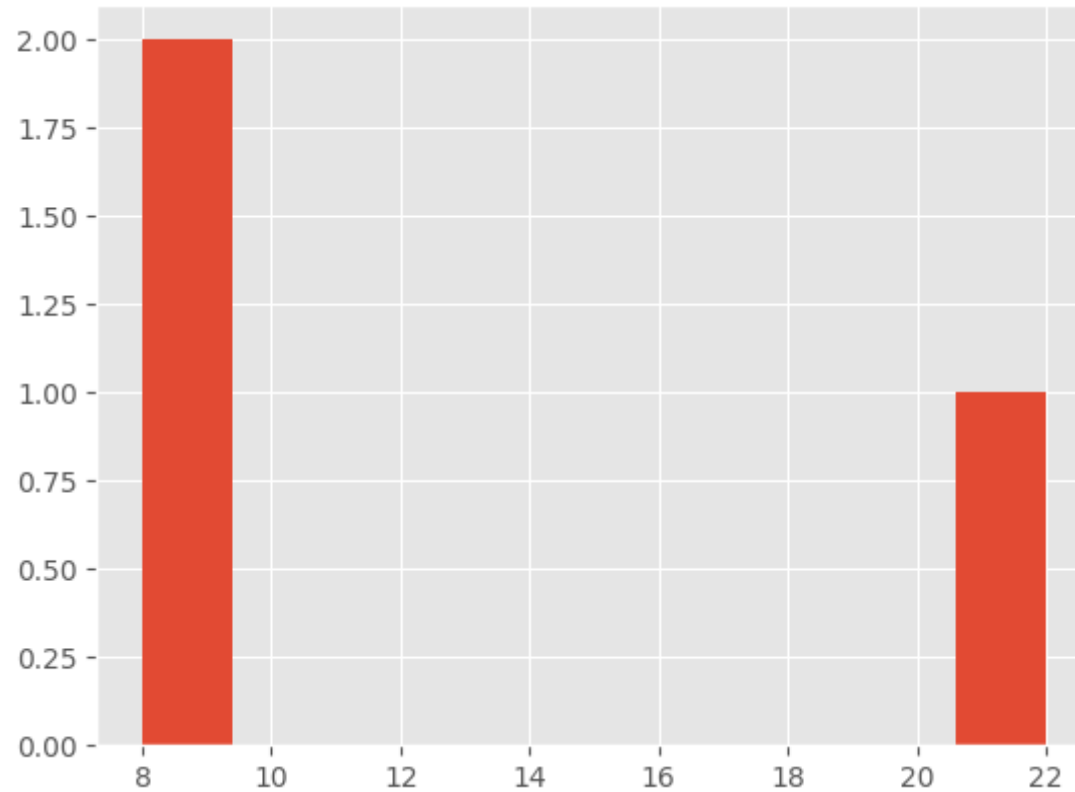


```
In [12]: k = [8,9,22]
```



```
In [13]: plt.hist(k)
```

```
Out[13]: (array([2., 0., 0., 0., 0., 0., 0., 0., 0., 1.]),  
          array([ 8. ,  9.4, 10.8, 12.2, 13.6, 15. , 16.4, 17.8, 19.2, 20.6, 22. ]),  
          <BarContainer object of 10 artists>)
```



```
In [ ]:
```