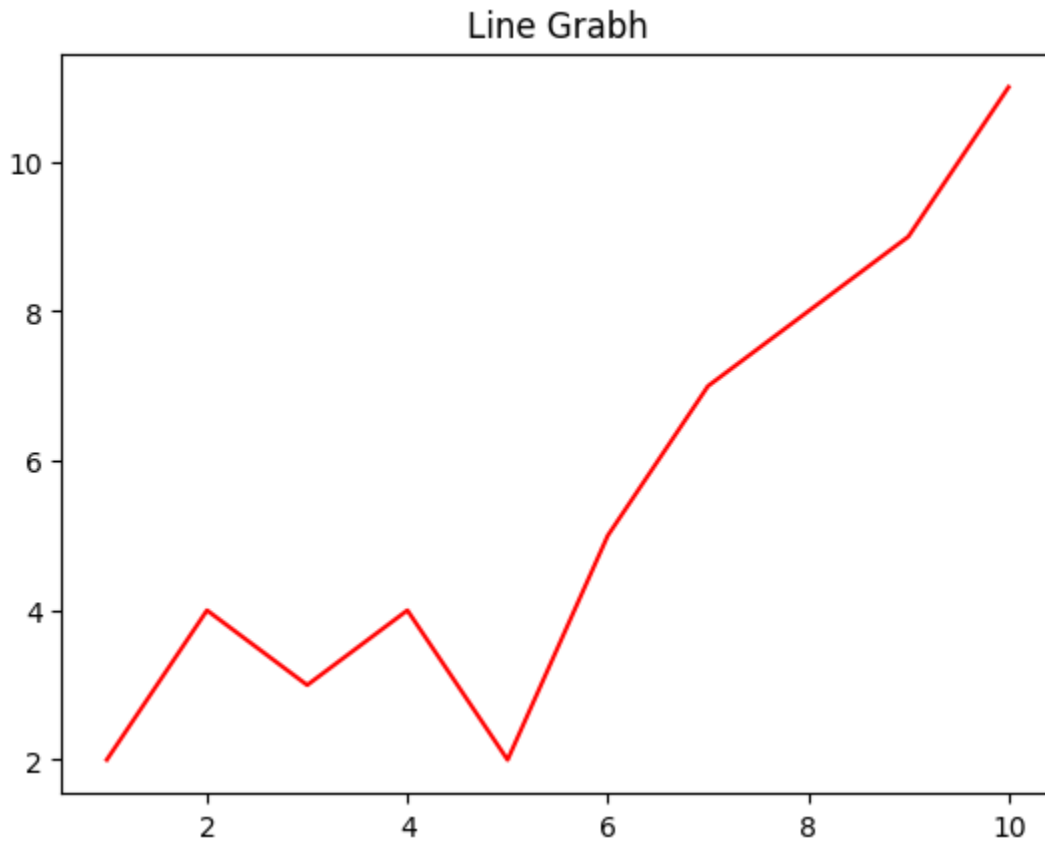


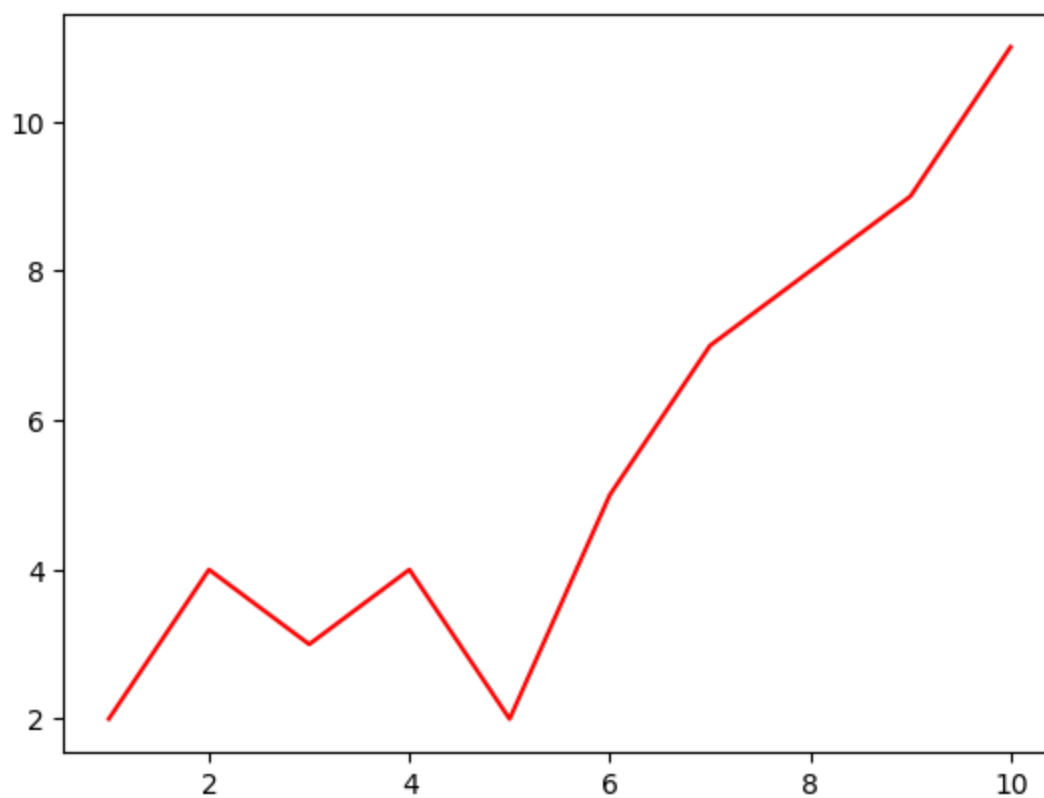
```
In [22]: import plotly.express as px
import matplotlib.pyplot as plt
import seaborn as sns
```

```
In [23]: x=[1,2,3,4,5,6,7,8,9,10]
y=[2,4,3,4,2,5,7,8,9,11]
plt.plot(x,y , color='r')
plt.title("Line Grabh")
```

Out[23]: Text(0.5, 1.0, 'Line Grabh')

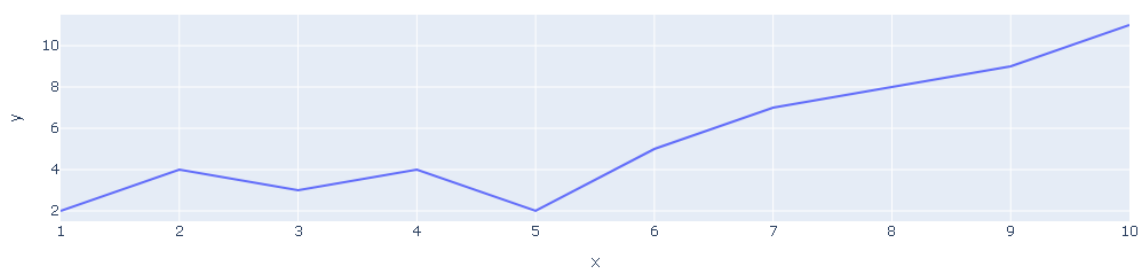


```
In [24]: x=[1,2,3,4,5,6,7,8,9,10]
y=[2,4,3,4,2,5,7,8,9,11]
fig=sns.lineplot(x=x, y=y, color='r')
```



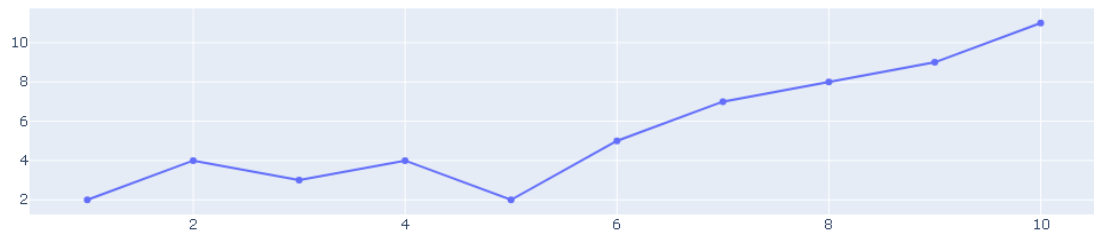
```
In [28]: px.line(x=x, y=y, title='Line graph')
```

Line graph



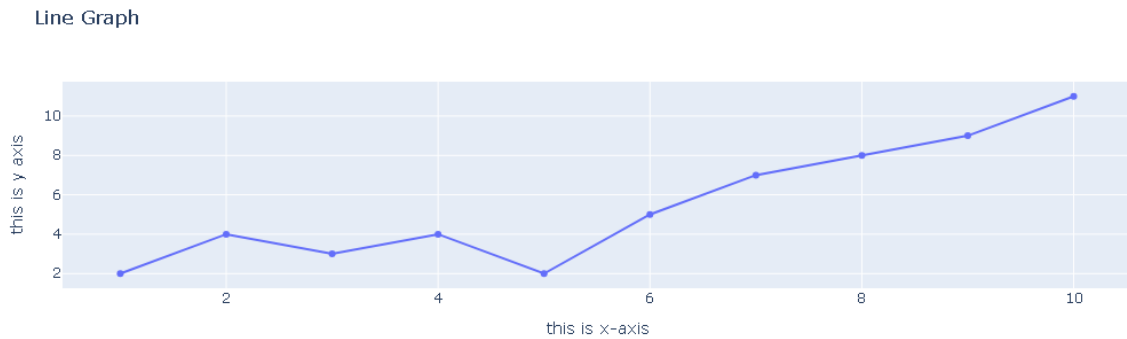
```
In [33]: import plotly.graph_objects as go
```

```
In [37]: fig = go.Figure(go.Scatter(x=x, y=y))  
fig.show()
```



adding Titles

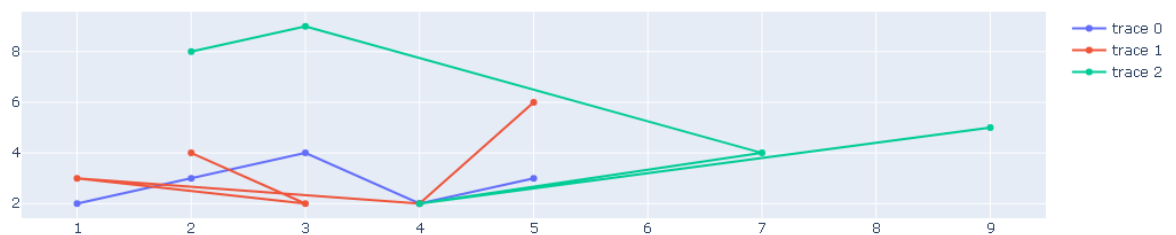
```
In [45]: fig=go.Figure(go.Scatter(x=x,y=y))
fig.update_layout(title="Line Graph", xaxis_title="this is x-axis", yaxis_title="this is y-axis")
```



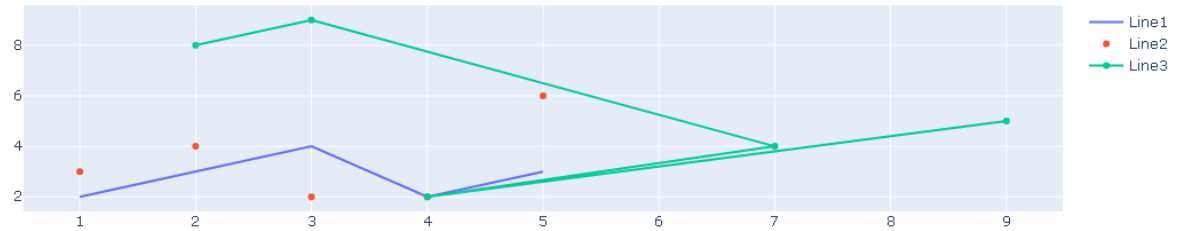
Multiple graphs

```
In [46]: x1, y1=[1,2,3,4,5],[2,3,4,2,3]
x2, y2=[2,3,1,4,5],[4,2,3,2,6]
x3, y3=[2,3,7,4,9],[8,9,4,2,5]
```

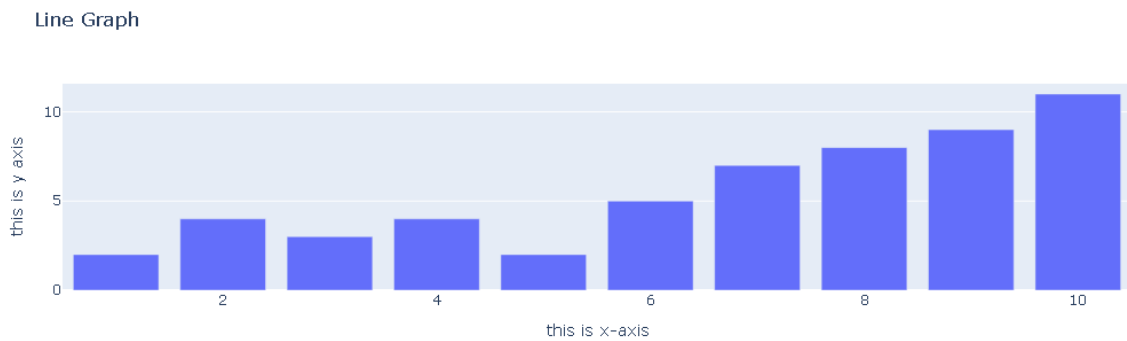
```
In [50]: fig=go.Figure()
fig.add_trace(go.Scatter(x=x1 ,y=y1))
fig.add_trace(go.Scatter(x=x2 ,y=y2))
fig.add_trace(go.Scatter(x=x3 ,y=y3))
```



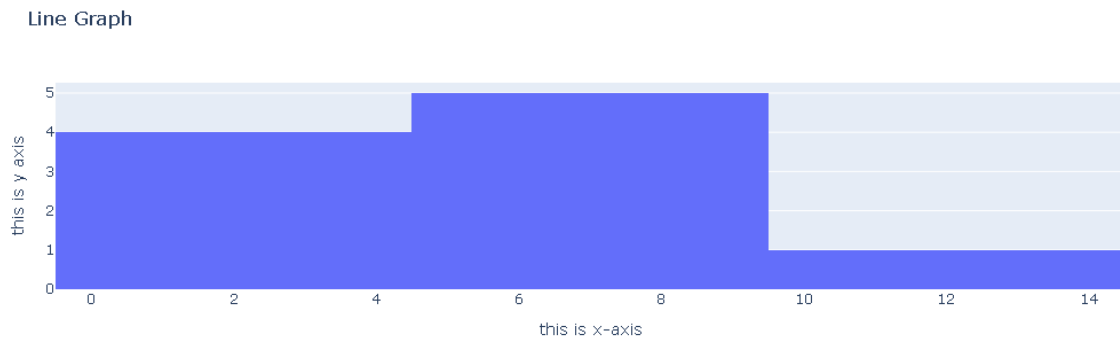
```
In [51]: fig=go.Figure()
fig.add_trace(go.Scatter(x=x1 ,y=y1,name="Line1",mode="lines" ))
fig.add_trace(go.Scatter(x=x2 ,y=y2,name="Line2",mode="markers" ))
fig.add_trace(go.Scatter(x=x3 ,y=y3,name="Line3",mode="lines+markers" ))
```



```
In [52]: fig=go.Figure(go.Bar(x=x,y=y))
fig.update_layout(title="Line Graph", xaxis_title="this is x-axis", yaxis_title="this is y axis")
```



```
In [55]: fig=go.Figure(go.Histogram(x=x,y=y))
fig.update_layout(title="Line Graph", xaxis_title="this is x-axis", yaxis_title="this is y axis")
```



In []: