Numerical data plotting

1. relplot(), scatterplot(),lineplot()

In [1]:

```
import numpy as np
import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt
%matplotlib inline
```

In [2]:

```
tips=sns.load_dataset('tips')
tips.tail
```

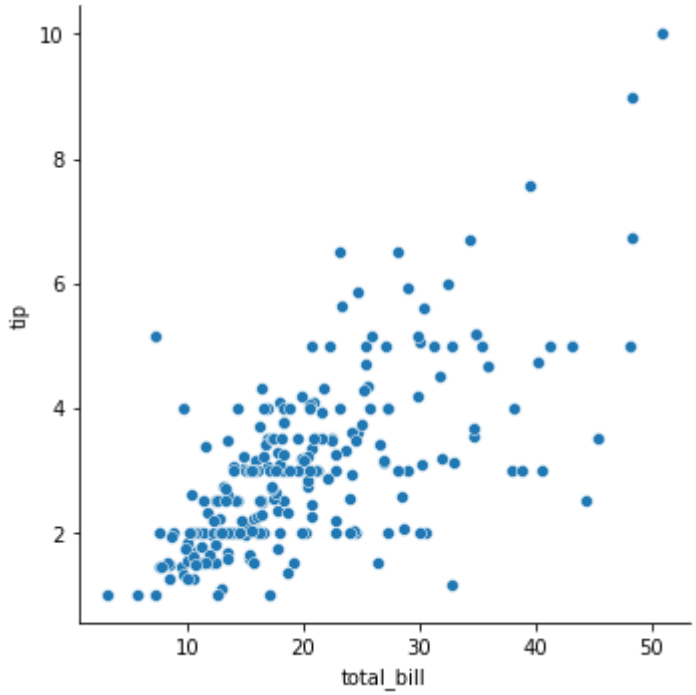
Out[2]:

```
<bound method NDFrame.tail of      total_bill   tip     sex smoker   day
time  size
0         16.99  1.01  Female     No   Sun  Dinner     2
1         10.34  1.66    Male     No   Sun  Dinner     3
2         21.01  3.50    Male     No   Sun  Dinner     3
3         23.68  3.31    Male     No   Sun  Dinner     2
4         24.59  3.61  Female     No   Sun  Dinner     4
..          ...   ...     ...    ...   ...     ...   ...
239       29.03  5.92    Male     No   Sat  Dinner     3
240       27.18  2.00  Female    Yes   Sat  Dinner     2
241       22.67  2.00    Male    Yes   Sat  Dinner     2
242       17.82  1.75    Male     No   Sat  Dinner     2
243       18.78  3.00  Female     No  Thur  Dinner     2

[244 rows x 7 columns]>
```

In [4]:

```
sns.relplot(x='total_bill',y='tip',data=tips)
plt.show()
```



In [5]:

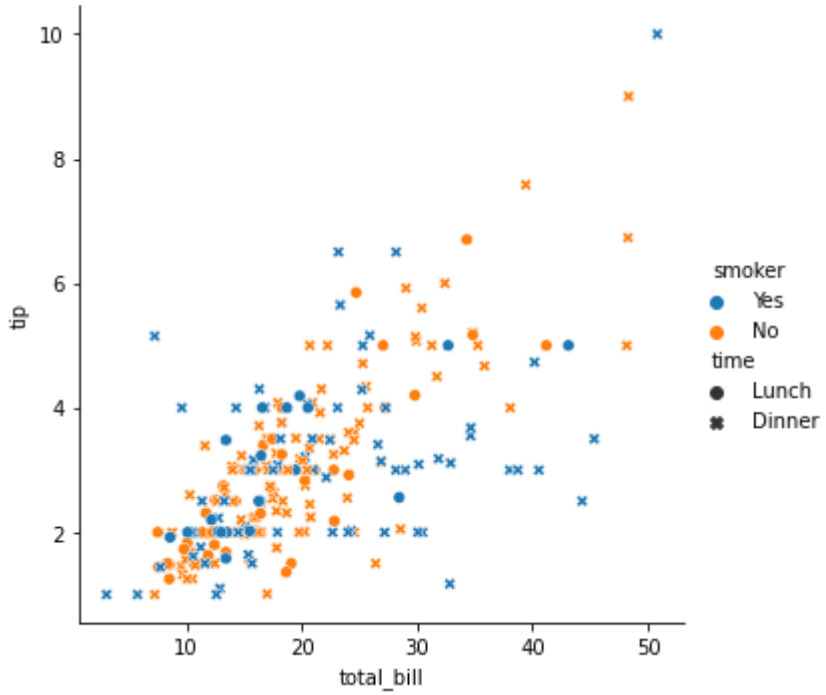
```
tips['smoker'].value_counts()
```

Out[5]:

```
No     151
Yes     93
Name: smoker, dtype: int64
```

In [6]:

```
 sns.relplot(x='total_bill',y='tip',data=tips, hue = 'smoker', style ='time')
plt.show()
```

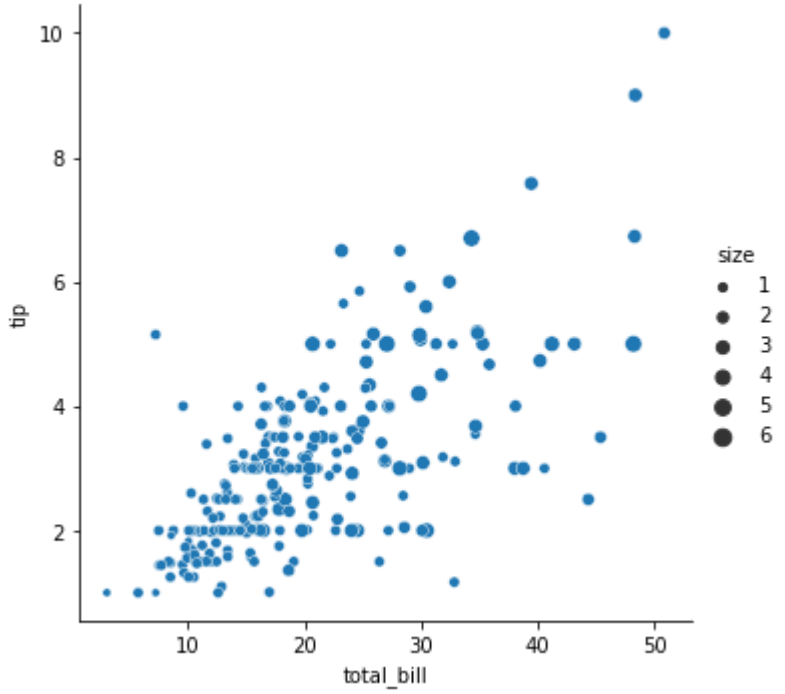


In [7]:

```
sns.relplot(x='total_bill',y='tip',data=tips,size='size')
```

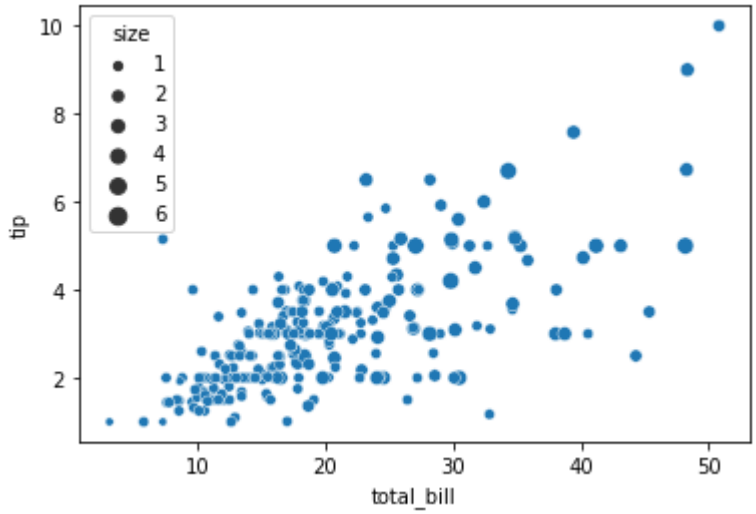
Out[7]:

```
<seaborn.axisgrid.FacetGrid at 0xc4abfec40>
```



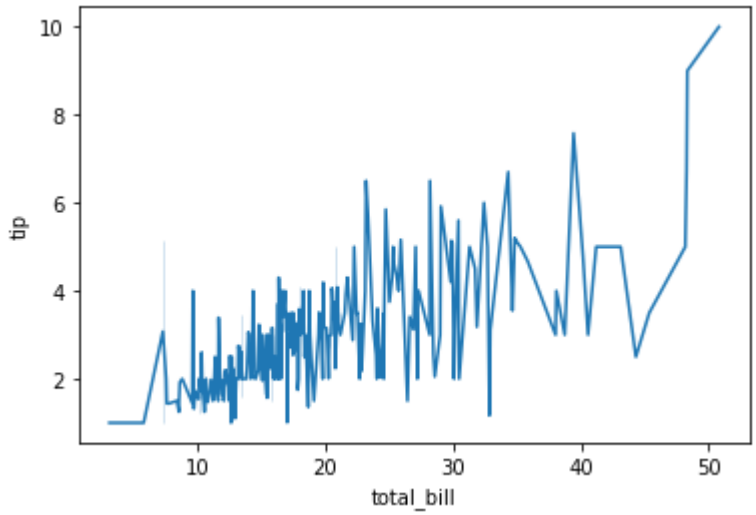
In [8]:

```
sns.scatterplot(x='total_bill',y='tip',data=tips,size='size')
plt.show()
```



In [9]:

```
sns.lineplot(x='total_bill',y='tip',data=tips)
plt.show()
```



In [ ]:

```

```