

Linear Regression and Relationship

regplot() Implot

In [1]:

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

In [3]:

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

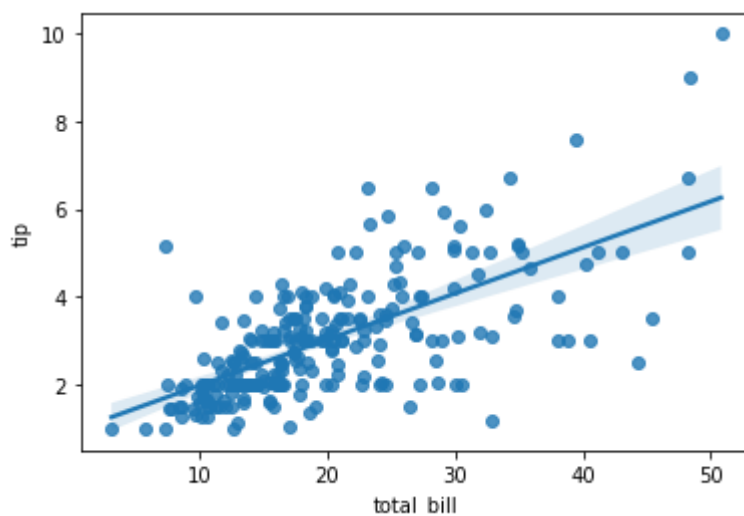
Out[3]:

	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

In []:

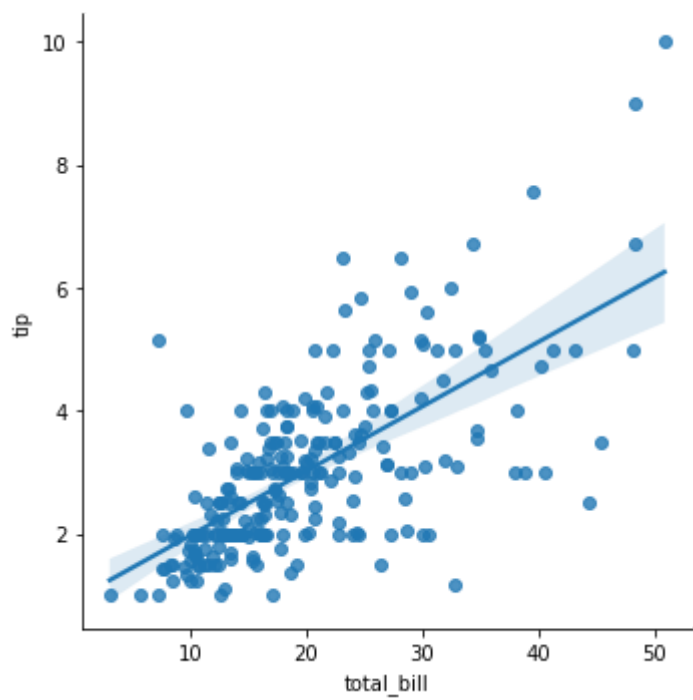
In [4]:

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



In [6]:

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



In []: