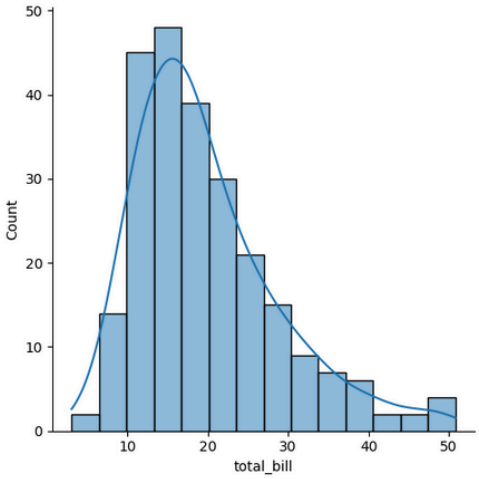
*[2]:
```
#M.Vishal
#240701598
#CSE
#26-08-2025

import seaborn as sns
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
%matplotlib inline
tips=sns.load_dataset('tips')
tips.head()
```

[2]:

	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

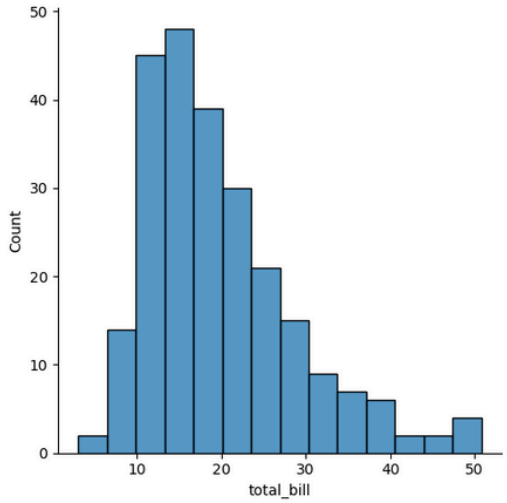
*[5]:
```
#M.Vishal
#240701598
#CSE
#26-08-2025
sns.displot(tips.total_bill,kde=True)
```

[5]:
```
<seaborn.axisgrid.FacetGrid at 0x29396ae4bd0>
```



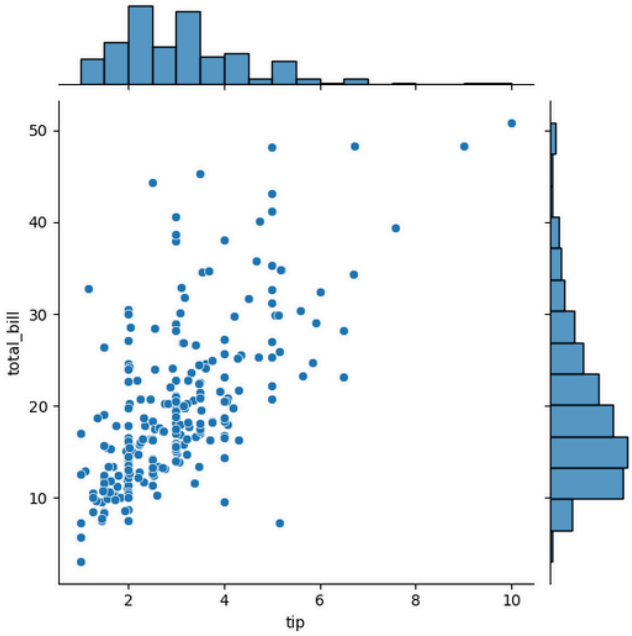
*[7]:
```
#M.Vishal
#240701598
#CSE
#26-08-2025
sns.displot(tips.total_bill,kde=False)
```

[7]: <seaborn.axisgrid.FacetGrid at 0x29396bf2a90>



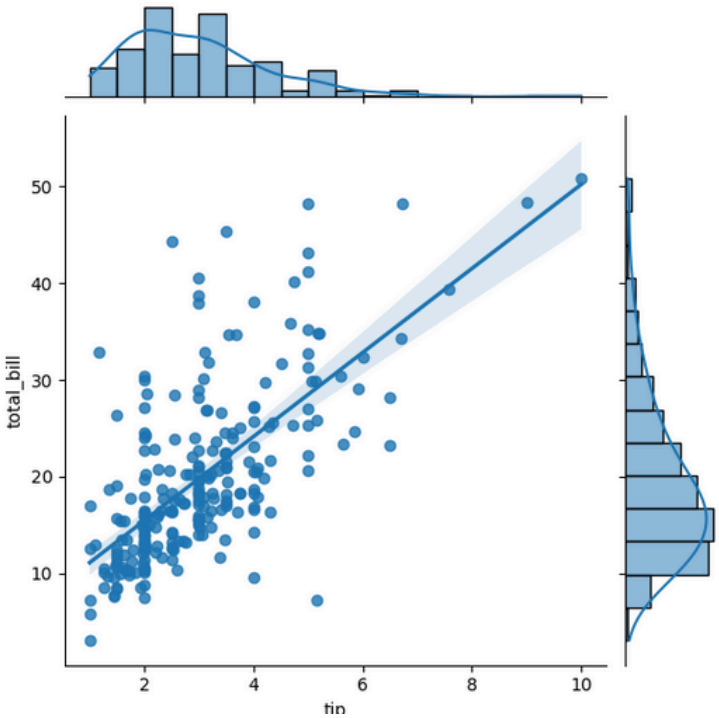
*[9]:
```
#M.Vishal
#240701598
#CSE
#26-08-2025
sns.jointplot(x=tips.tip,y=tips.total_bill)
```

[9]: <seaborn.axisgrid.JointGrid at 0x29396ae6410>



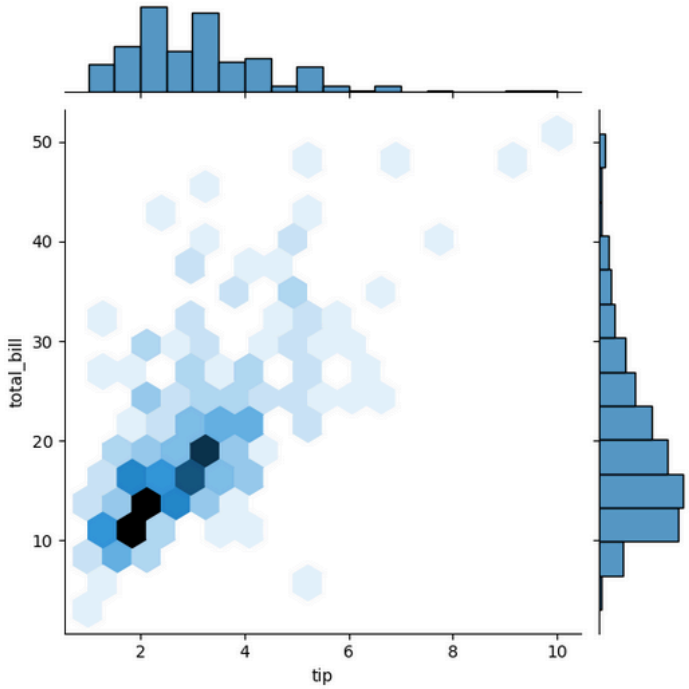
•[11]:
```
#M.Vishal
#240701598
#CSE
#26-08-2025
sns.jointplot(x=tips.tip,y=tips.total_bill,kind="reg")
```

[11]:
```
<seaborn.axisgrid.JointGrid at 0x29397a24090>
```



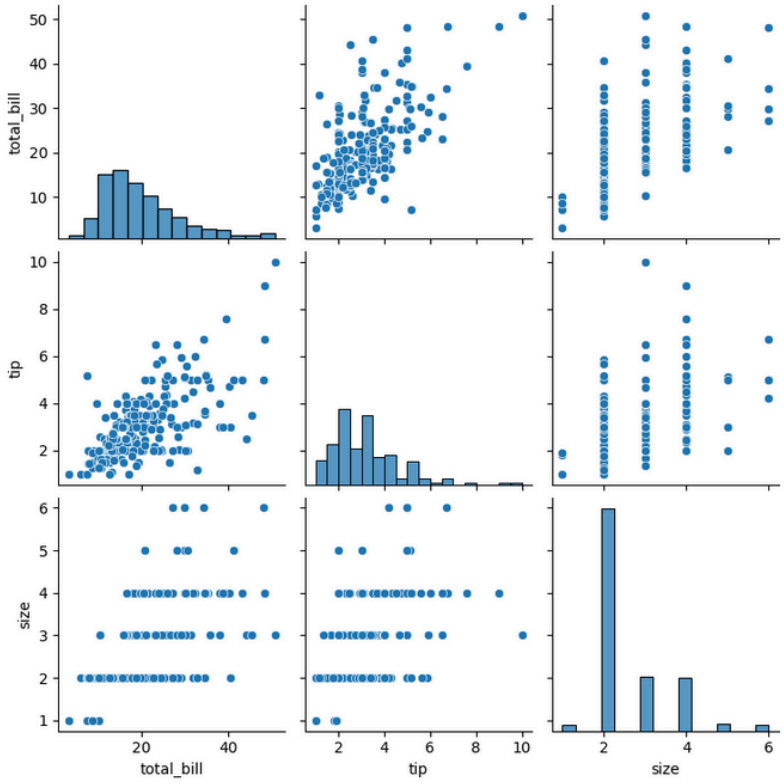
•[13]:
```
#M.Vishal
#240701598
#CSE
#26-08-2025
sns.jointplot(x=tips.tip,y=tips.total_bill,kind="hex")
```

[13]:
```
<seaborn.axisgrid.JointGrid at 0x29397cc32d0>
```



*[15]:
```
#M.Vishal
#240701598
#CSE
#26-08-2025
sns.pairplot(tips)
```

[15]:
```
<seaborn.axisgrid.PairGrid at 0x293977538d0>
```

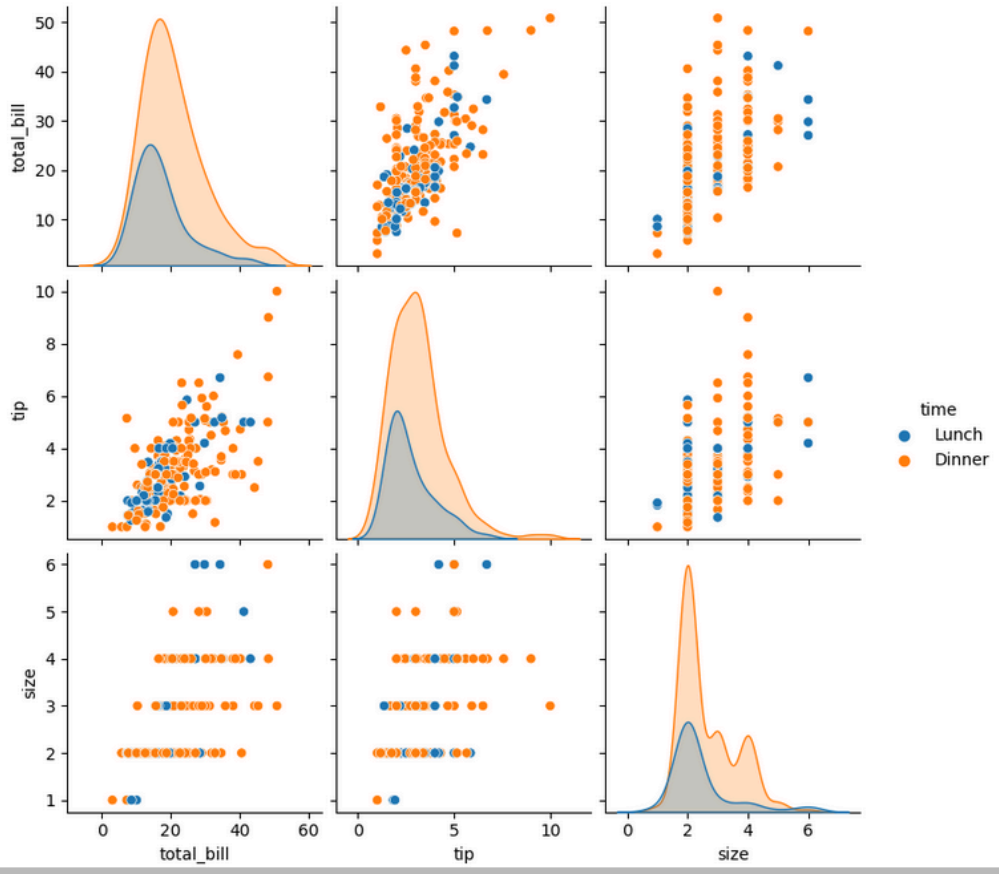


*[17]:
```
#M.Vishal
#240701598
#CSE
#26-08-2025
tips.time.value_counts()
```

[17]:
```
Dinner    176
Lunch      68
Name: time, dtype: int64
```

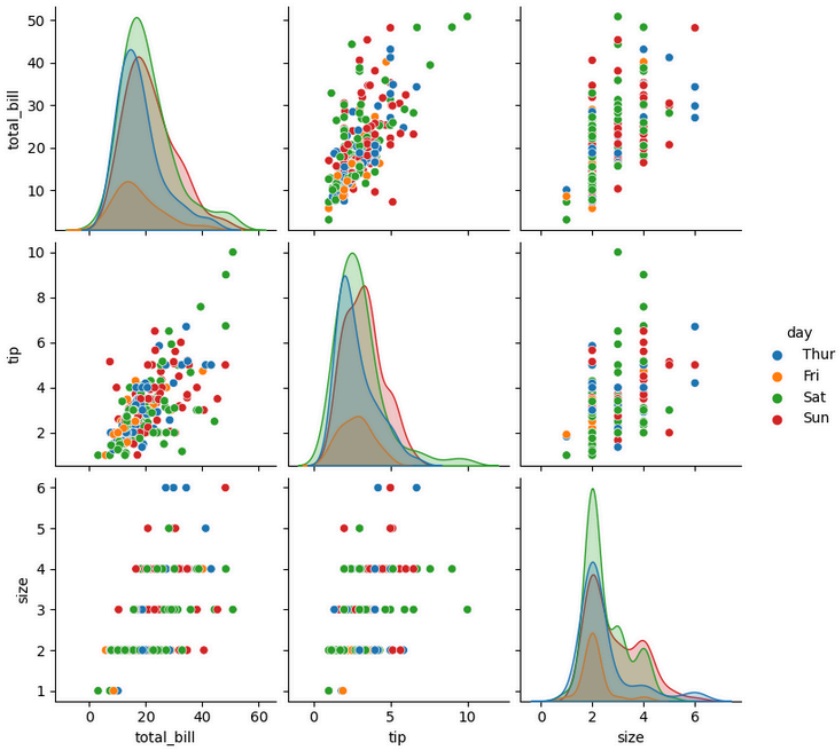
*[19]:
```
#M.Vishal
#240701598
#CSE
#26-08-2025
sns.pairplot(tips,hue='time')
```

[19]: <seaborn.axisgrid.PairGrid at 0x29398b6b090>



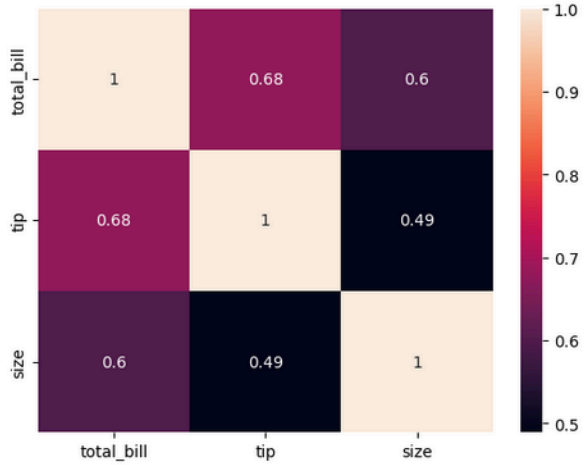
*[21]:
```
#M.Vishal
#240701598
#CSE
#26-08-2025
sns.pairplot(tips,hue='day')
```

[21]: <seaborn.axisgrid.PairGrid at 0x2939a43fb50>



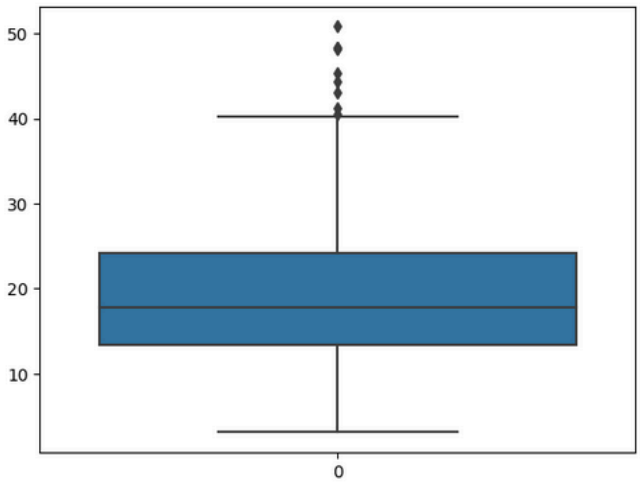
In [11]:
```
#M.Vishal
#240701598
#26-08-2025
sns.heatmap(tips.corr(numeric_only=True),annot=True)
```

Out[11]: <Axes: >



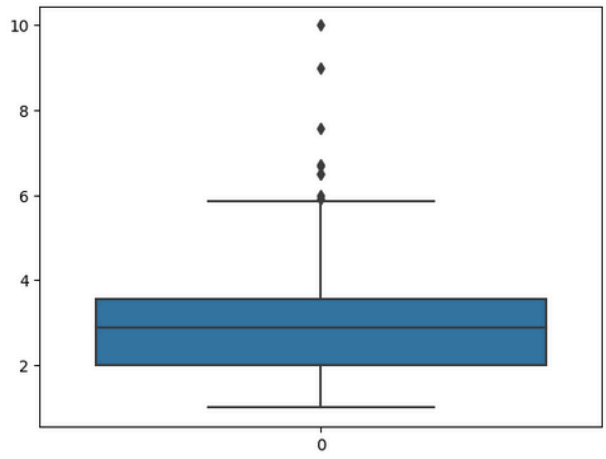
In [12]:
```
#M.Vishal
#240701598
#26-08-2025
sns.boxplot(tips.total_bill)
```

Out[12]: <Axes: >



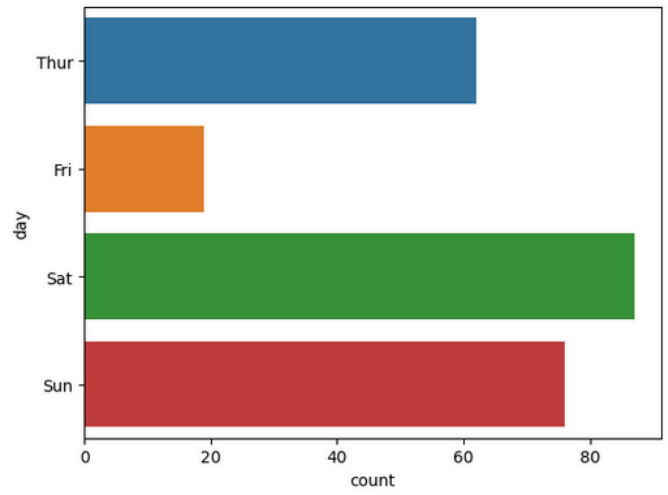
In [13]:
```
#M.Vishal
#240701598
#26-08-2025
sns.boxplot(tips.tip)
```

Out[13]: <Axes: >



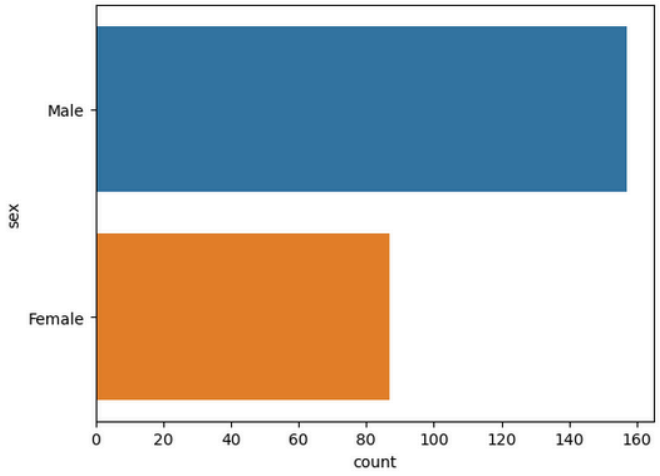
In [16]:
```
#M.Vishal
#240701598
#26-08-2025
sns.countplot(y='day', data=tips)
```

Out[16]: <Axes: xlabel='count', ylabel='day'>



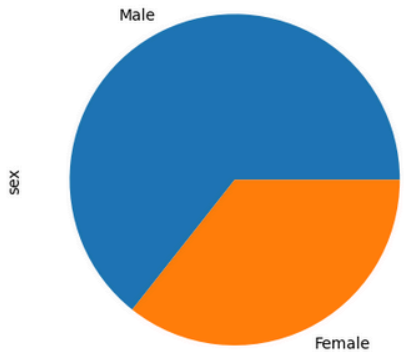
In [18]:
```
#M.Vishal
#240701598
#26-08-2025
sns.countplot(y='sex',data=tips)
```

Out[18]: <Axes: xlabel='count', ylabel='sex'>



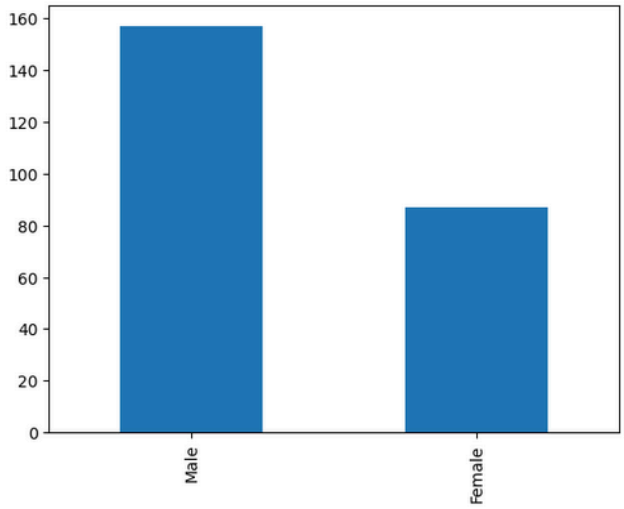
In [19]:
```
#M.Vishal
#240701598
#26-08-2025
tips.sex.value_counts().plot(kind='pie')
```

Out[19]: <Axes: ylabel='sex'>



In [20]:
```
#M.Vishal
#240701598
#26-08-2025
tips.sex.value_counts().plot(kind='bar')
```

Out[20]: <Axes: >



In [23]:
```
#M.Vishal
#240701598
#26-08-2025
sns.countplot(y='day', data=tips[tips.time == 'Dinner'])
```

Out[23]: <Axes: xlabel='count', ylabel='day'>