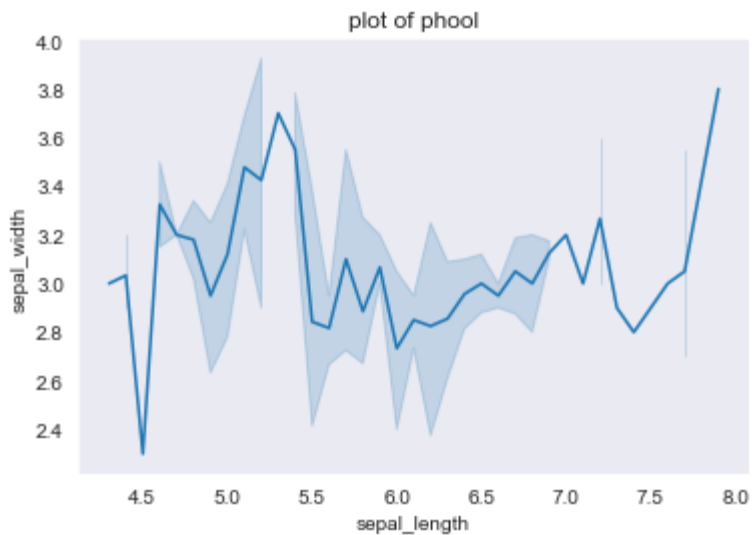


```
In [ ]: import seaborn as sns
import matplotlib.pyplot as plt
import pandas as pd
import numpy as np

#import data
flower= sns.load_dataset("iris")
kashti= sns.load_dataset("titanic")
tip = sns.load_dataset("tips")
```

```
In [ ]: sns.set_style(style=None, rc = None)
#this was assignment and done
#before changing of style you mast set_style as None
sns.lineplot(x="sepal_length", y= "sepal_width", data= flower)
plt.title("plot of phool")
#sns.set_style("dark")
plt.show
```

```
Out[ ]: <function matplotlib.pyplot.show(close=None, block=None)>
```



```
In [ ]: sns.barplot(x="sex", y= "alone", hue= "who", data= kashti,
order=["female", "male"], saturation=1)
plt.show
```

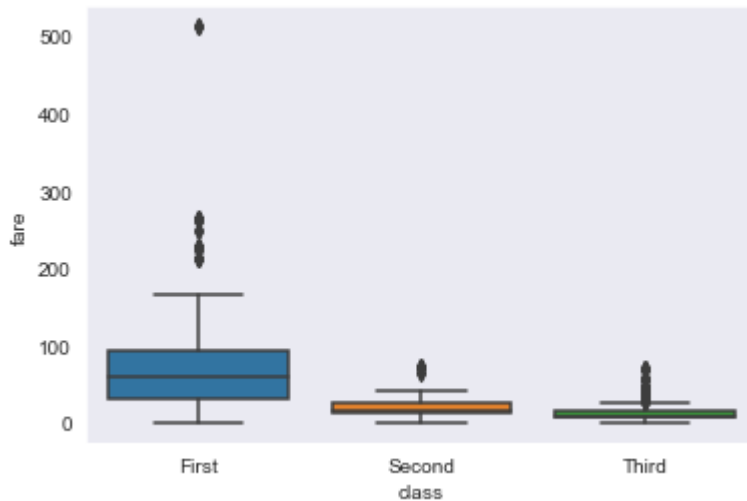
```
Out[ ]: <function matplotlib.pyplot.show(close=None, block=None)>
```



Box plot mashahor e zamana

```
In [ ]: sns.boxplot(x="class",y="fare",data=kashti)
```

```
Out[ ]: <AxesSubplot:xlabel='class', ylabel='fare'>
```



```
In [ ]: tip
```

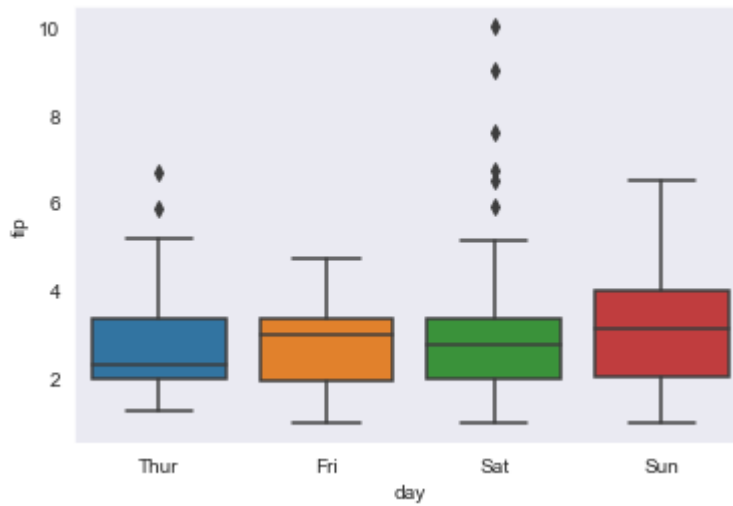
```
Out[ ]:
```

	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 × 7 columns

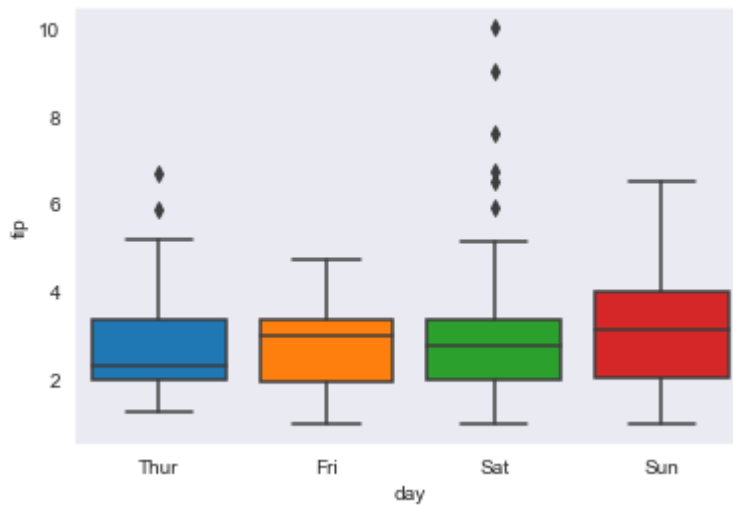
```
In [ ]: sns.boxplot(x="day",y="tip", data=tip)
```

```
Out[ ]: <AxesSubplot:xlabel='day', ylabel='tip'>
```



```
In [ ]: sns.boxplot(x="day",y="tip", data=tip, saturation=1)
```

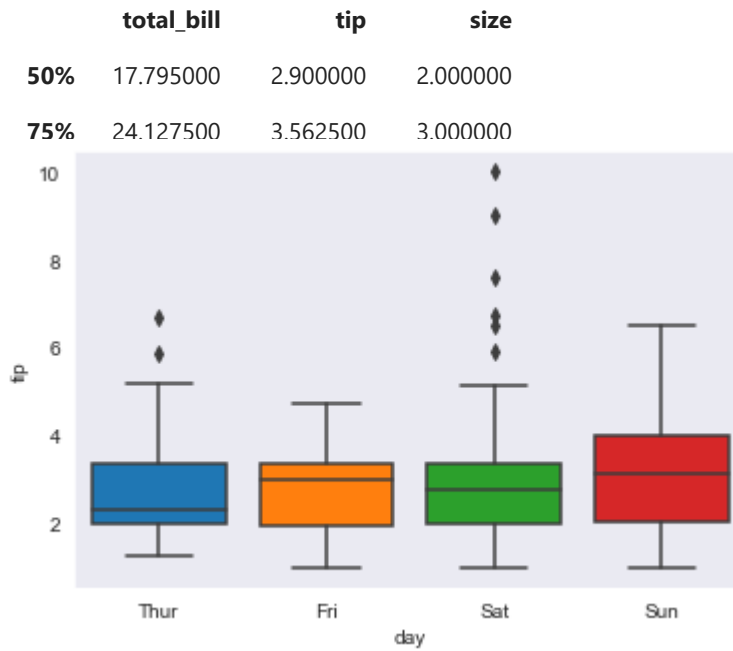
```
Out[ ]: <AxesSubplot:xlabel='day', ylabel='tip'>
```



```
In [ ]: sns.boxplot(x="day",y="tip", data=tip, saturation=1)  
tip.describe()
```

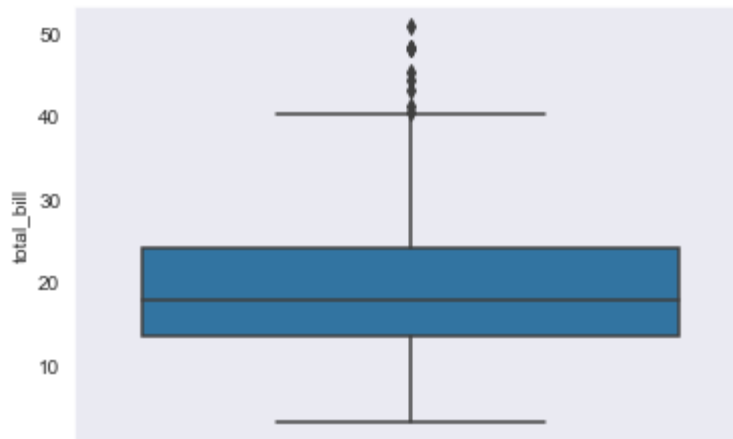
```
Out[ ]:
```

	total_bill	tip	size
count	244.000000	244.000000	244.000000
mean	19.785943	2.998279	2.569672
std	8.902412	1.383638	0.951100
min	3.070000	1.000000	1.000000
25%	13.347500	2.000000	2.000000



```
In [ ]: # indexing
sns.boxplot(y=tip["total_bill"])
```

```
Out[ ]: <AxesSubplot:ylabel='total_bill'>
```



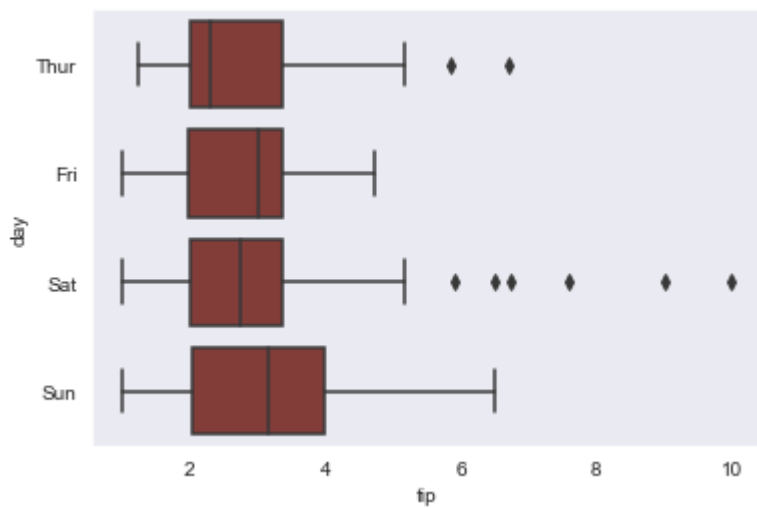
```
In [ ]: sns.boxplot(x="day",y="tip", data=tip, saturation=1,hue="smoker")
```

```
Out[ ]: <AxesSubplot:xlabel='day', ylabel='tip'>
```



```
In [ ]: #color picker google at
sns.boxplot(x="tip", y="day", data=tip, saturation=1, color="#823d38")
```

```
Out[ ]: <AxesSubplot:xlabel='tip', ylabel='day'>
```



```
In [ ]:
```