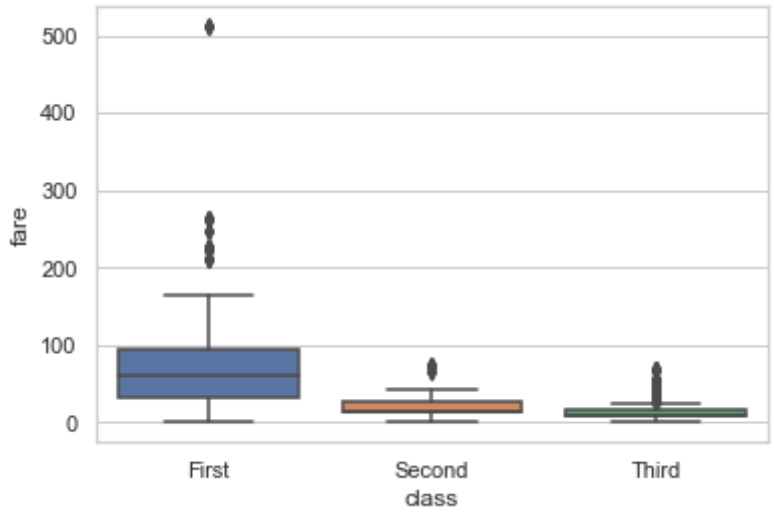
In [3]:
```
#import library
import seaborn
#canvas(balaoon borad)
seaborn.set(style='whitegrid')
#
kashti = seaborn.load_dataset("titanic")

seaborn.boxplot(x="class",
                y="fare",
                data=kashti)
```

Out[3]:
```
<AxesSubplot:xlabel='class', ylabel='fare'>
```



In [11]:
```
import seaborn
seaborn.set(style='whitegrid')

tip = seaborn.load_dataset('tips')
tip
```

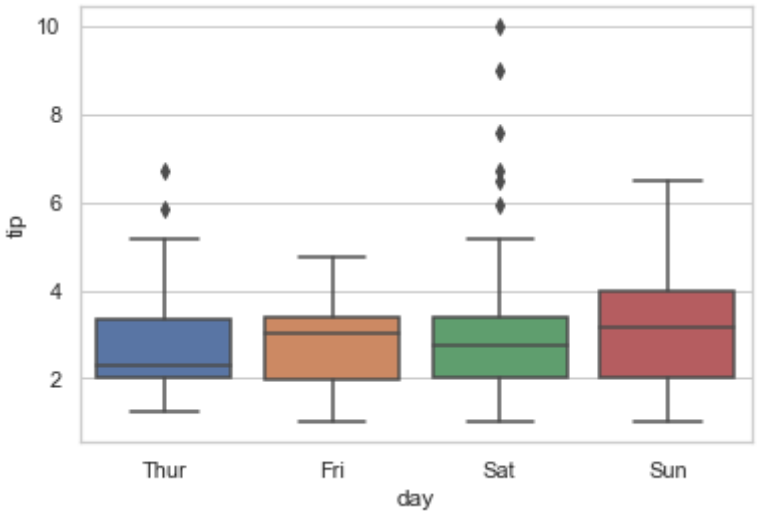
Out[11]:

	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 [6]:
```
import seaborn
seaborn.set(style='whitegrid')

tip = seaborn.load_dataset('tips')
tip
seaborn.boxplot(x='day',y='tip', data=tip)
```

Out[6]:
```
<AxesSubplot:xlabel='day', ylabel='tip'>
```



In [14]:
```
# abbi es ma tip ka properties atti hai per
import seaborn as sns
import pandas as pf
import numpy
seaborn.set(style='whitegrid')

tip = seaborn.load_dataset('tips')
tip
```

Out[14]:

	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 [15]:
```
tip.describe()
```

Out[15]:

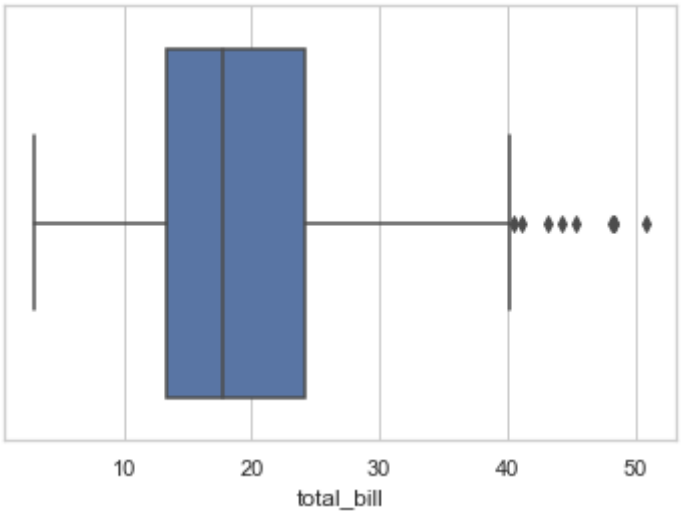
	total_bill	tip	size
count	244.000000	244.000000	244.000000
mean	19.785943	2.998279	2.569672
std	8.902412	1.383638	0.951100
min	3.070000	1.000000	1.000000
25%	13.347500	2.000000	2.000000
50%	17.795000	2.900000	2.000000
75%	24.127500	3.562500	3.000000
max	50.810000	10.000000	6.000000

In [22]:

```
# importing the required module
# it is olny for counting just
import seaborn as sns
sns.set(style='whitegrid')

#Loading data-set
tip = seaborn.load_dataset("tips")
seaborn.boxplot(x=tip['total_bill'])
```

Out[22]:

```
<AxesSubplot:xlabel='total_bill'>
```

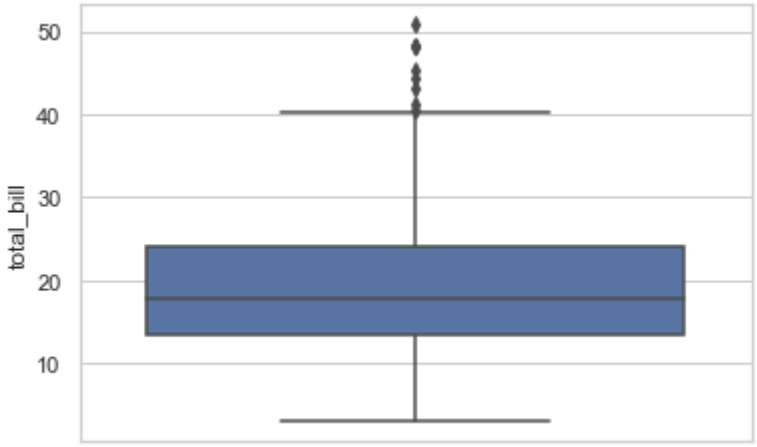


In [23]:

```
# importing the required module
# just change x to y for horizantal to vertival graph
import seaborn as sns
sns.set(style='whitegrid')

#Loading data-set
tip = seaborn.load_dataset("tips")
seaborn.boxplot(y=tip['total_bill'])
```

Out[23]:

```
<AxesSubplot:ylabel='total_bill'>
```

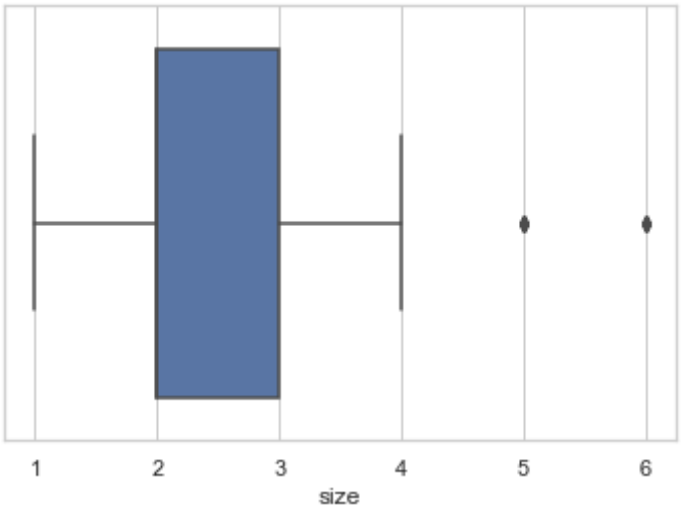


In [24]:

```
# importing the required module
# it is olny for tip inside tip
import seaborn as sns
sns.set(style='whitegrid')

#loading data-set
tip = seaborn.load_dataset("tips")
seaborn.boxplot(x=tip['size'])
```

Out[24]:

```
<AxesSubplot:xlabel='size'>
```

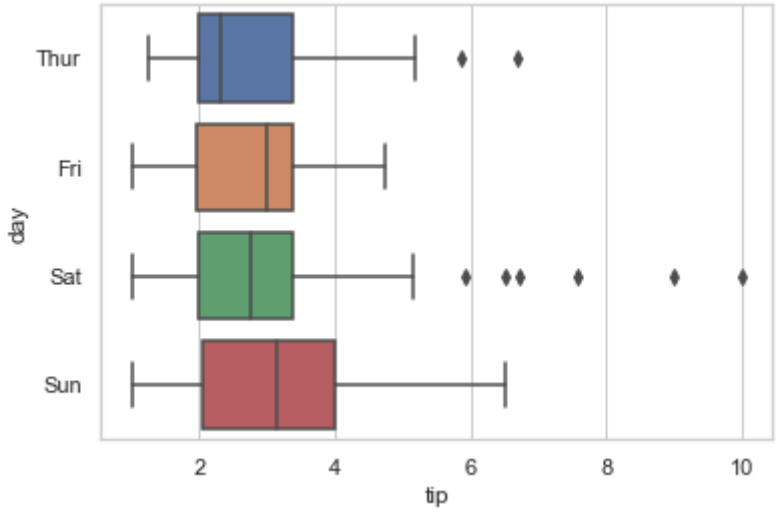


In [27]:

```
# importing the required module
# kansa banda tip kiny din  or kitni tip deta hai
import seaborn as sns
# use to set style of backgroynd of plot
sns.set(style='whitegrid')

#loading data-set
tip = seaborn.load_dataset("tips")
seaborn.boxplot(x="tip", y="day", data=tip)
```

Out[27]:

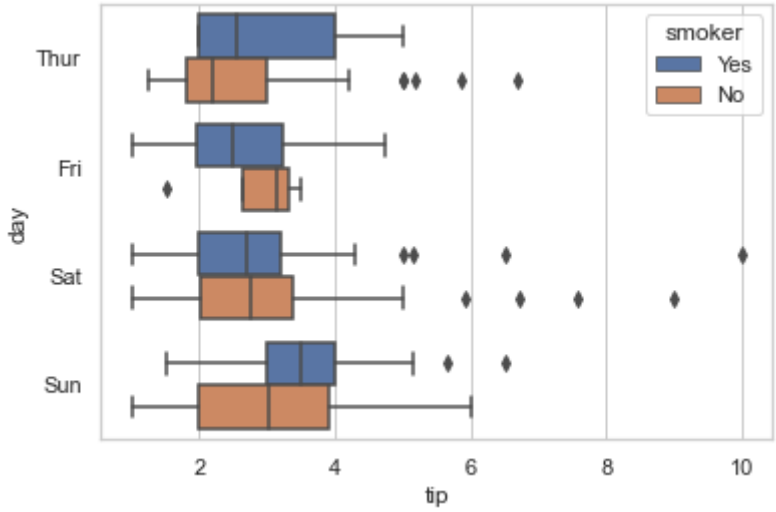
```
<AxesSubplot:xlabel='tip', ylabel='day'>
```



In [28]:

```
# importing the required module
# kansa banda tip kiny din  or kitni tip deta hai
# also chech smokers with the help of hue
import seaborn as sns
# use to set style of backgroynd of plot
sns.set(style='whitegrid')

#loading data-set
tip = seaborn.load_dataset("tips")
seaborn.boxplot(x="tip", y="day", hue="smoker",data=tip)
```

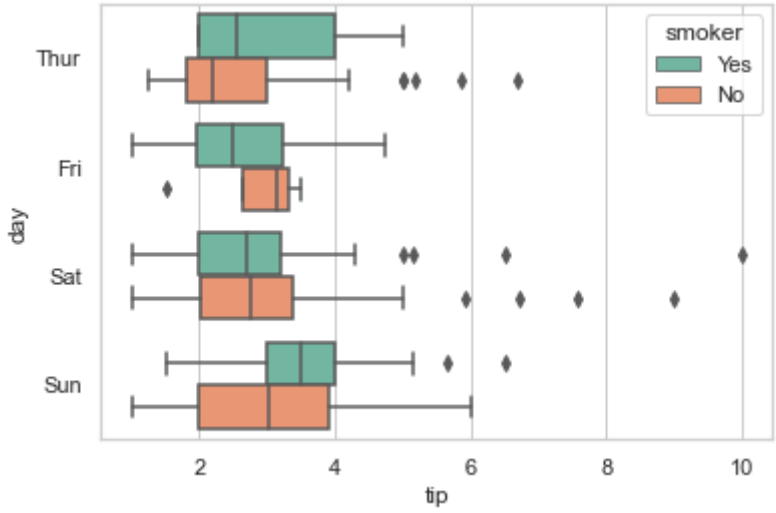
Out[28]: <AxesSubplot:xlabel='tip', ylabel='day'>



In [32]:

```
# importing the required module
# kansa banda tip kiny din  or kitni tip deta hai
# also chech smokers with the help of hue
# dooge mean buypass
import seaborn as sns
# use to set style of backgroynd of plot
sns.set(style='whitegrid')

#loading data-set
tip = seaborn.load_dataset("tips")
seaborn.boxplot(x="tip", y="day", hue="smoker",data=tip, palette="Set2", dodge=True,
```

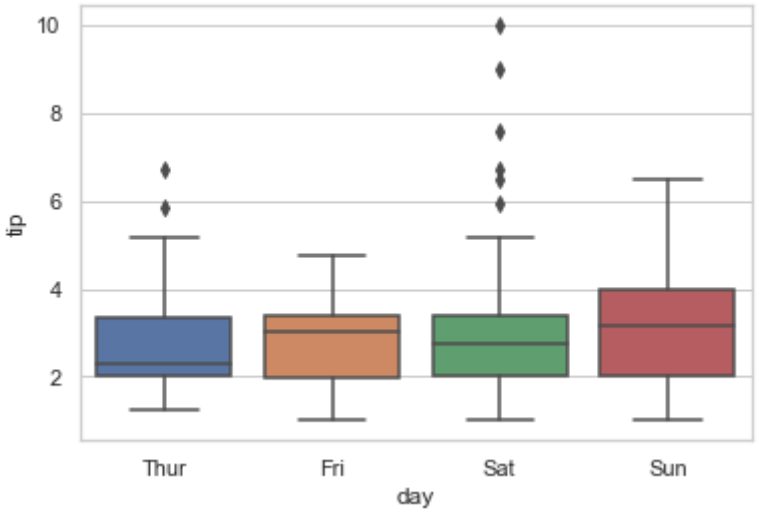
Out[32]: <AxesSubplot:xlabel='tip', ylabel='day'>



In [34]:

```
import seaborn
seaborn.set(style='whitegrid')

tip = seaborn.load_dataset('tips')
tip
seaborn.boxplot(x='day',y='tip', data=tip)
```

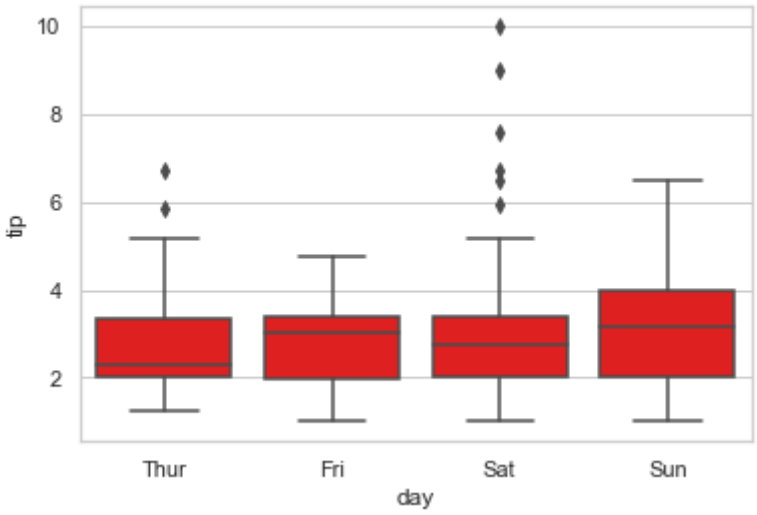
Out[34]: <AxesSubplot:xlabel='day', ylabel='tip'>



In [36]:

```
# change colores
# and if you want to color other code when search on google (hex colo picker) and se
import seaborn
seaborn.set(style='whitegrid')

tip = seaborn.load_dataset('tips')
tip
seaborn.boxplot(x='day',y='tip', data=tip, color='red')
```

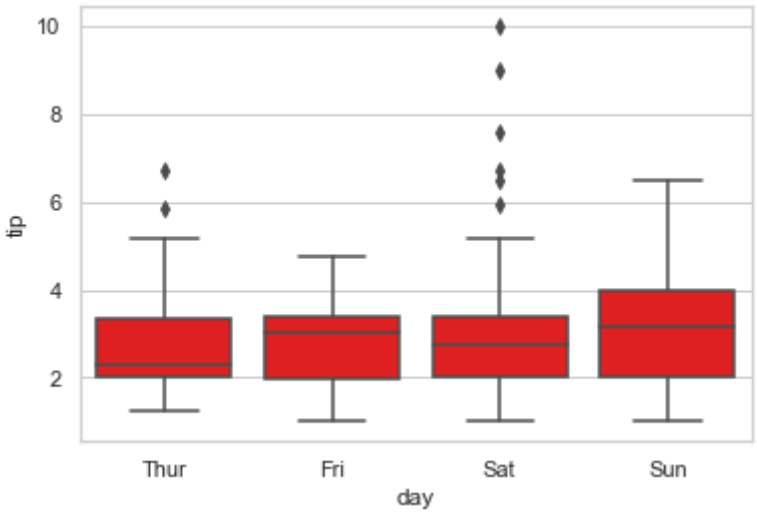
Out[36]: <AxesSubplot:xlabel='day', ylabel='tip'>



In [37]:

```
# change colores
# and if you want to color other code when search on google (hex colo picker) and se
import seaborn
seaborn.set(style='whitegrid')

tip = seaborn.load_dataset('tips')
tip
seaborn.boxplot(x='day',y='tip', data=tip, color='red')
# how to manage individual colors for each hue color
```

Out[37]: <AxesSubplot:xlabel='day', ylabel='tip'>



In [39]:

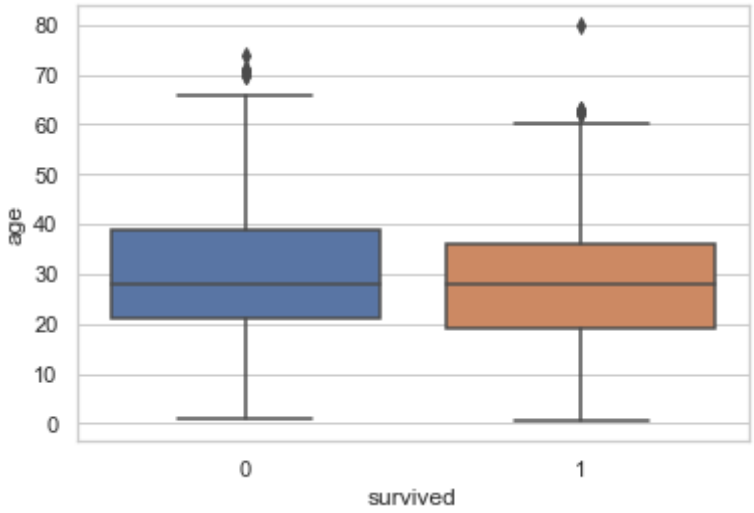
```
import seaborn as sns
import pandas as pd
import numpy as np

kashti = sns.load_dataset("titanic")
kashti.head()
```

Out[39]:

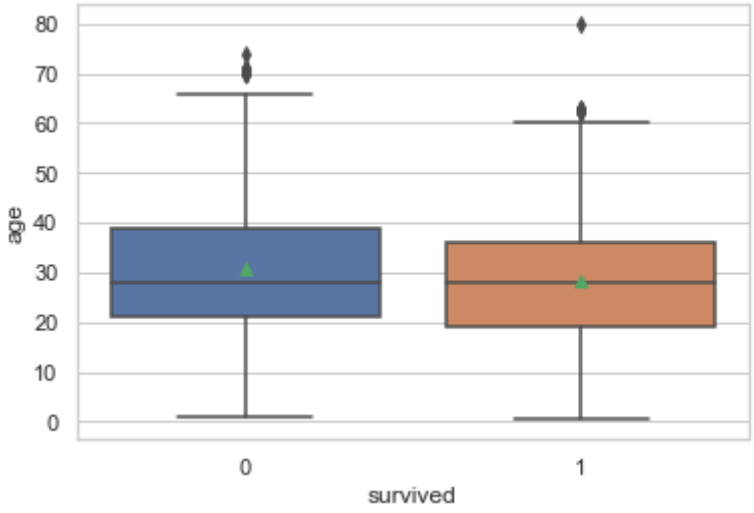
	survived	pclass	sex	age	sibsp	parch	fare	embarked	class	who	adult_male	decl
0	0	3	male	22.0	1	0	7.2500	S	Third	man	True	NaN
1	1	1	female	38.0	1	0	71.2833	C	First	woman	False	C
2	1	3	female	26.0	0	0	7.9250	S	Third	woman	False	NaN
3	1	1	female	35.0	1	0	53.1000	S	First	woman	False	C

	survived	pclass	sex	age	sibsp	parch	fare	embarked	class	who	adult_male	decl
4	0	3	male	35.0	0	0	8.0500	S	Third	man	True	NaN

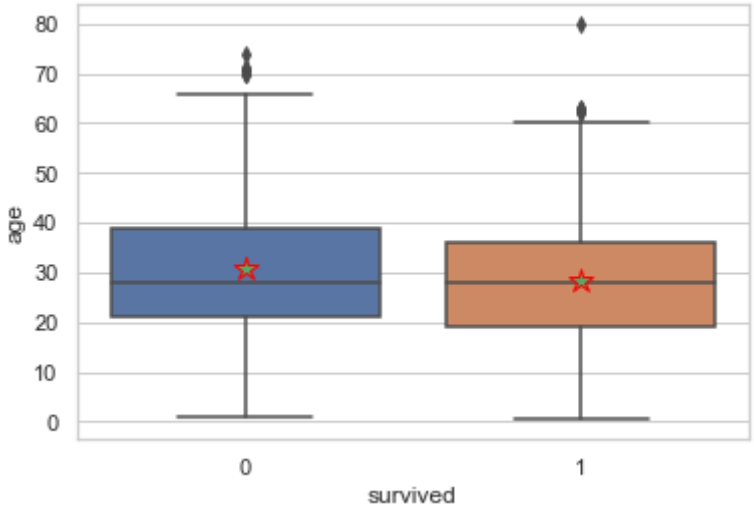
In [60]:
```
sns.boxplot(x="survived",y="age",data=kashti)
plt.show()
```



In [61]:
```
#show mean on the plot
sns.boxplot(x="survived",
            y="age",
            showmeans=True,
            data=kashti)
plt.show()
```



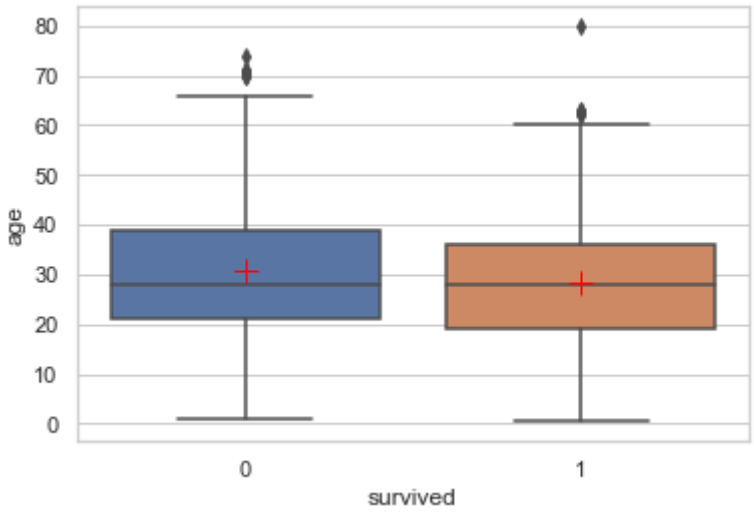
In [62]:
```
#show mean on the plot
# develp over on marker poniter for mean

sns.boxplot(x="survived",
            y="age",showmeans=True,
            meanprops={"marker":"*",
                       "markersize":"12",
                       "markeredgecolor":"red"},
            data=kashti)
plt.show()
```



In [67]:

```
#show mean on the plot
# develp over on marker poniter for mean
#show lables
import seaborn as sns
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
kashti=sns.load_dataset("titanic")

sns.boxplot(x="survived",
            y="age",showmeans=True,
            meanprops={"marker":"+",
                       "markersize":"12",
                       "markeredgecolor":"red"},
            data=kashti)
#show lables
plt.xlabel("How many surivied"),
plt.ylabel("Age (years)"),
plt.title("Box plot of kiny dooby or kitny bach gaya")
```

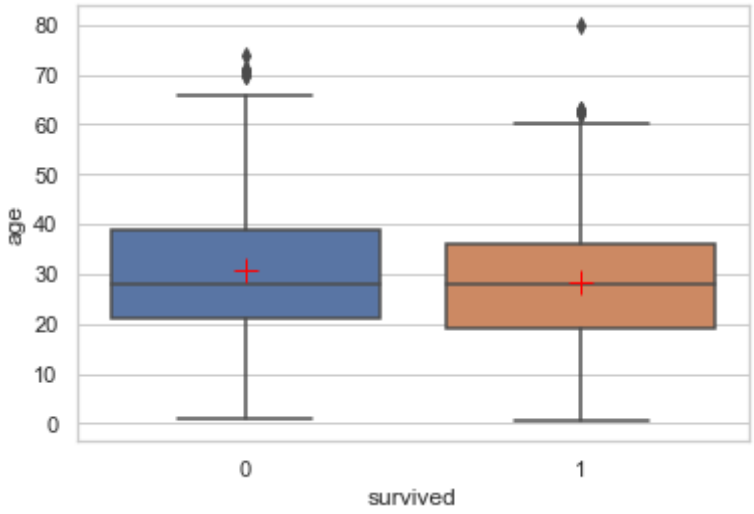
```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
~\AppData\Local\Temp/ipykernel_5772/1589542066.py in <module>
     15             data=kashti)
     16 #show lables
---> 17 plt.xlabel("How many surivied"),
     18 plt.ylabel("Age (years)"),
     19 plt.title("Box plot of kiny dooby or kitny bach gaya")

TypeError: 'tuple' object is not callable
```



In [69]:

```
# change heading size and shape
import seaborn as sns
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
kashti=sns.load_dataset("titanic")

sns.boxplot(x="survived",
            y="age",showmeans=True,
            meanprops={"marker":"+",
                       "markersize":"12",
                       "markeredgecolor":"red"},
            data=kashti)
#show lables
plt.xlabel("How many surivied",size=10),
plt.ylabel("Age (years)",size=10),
plt.title("Box plot of kiny dooby or kitny bach gaya",size=14,weight='bold')
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
~\AppData\Local\Temp/ipykernel_5772/2117007457.py in <module>
     12             data=kashti)
     13 #show lables
---> 14 plt.xlabel("How many surivied",size=10),
     15 plt.ylabel("Age (years)",size=10),
     16 plt.title("Box plot of kiny dooby or kitny bach gaya")

TypeError: 'tuple' object is not callable
```



In [ ]:
```
#facet wrap and facet grid  assigment
```