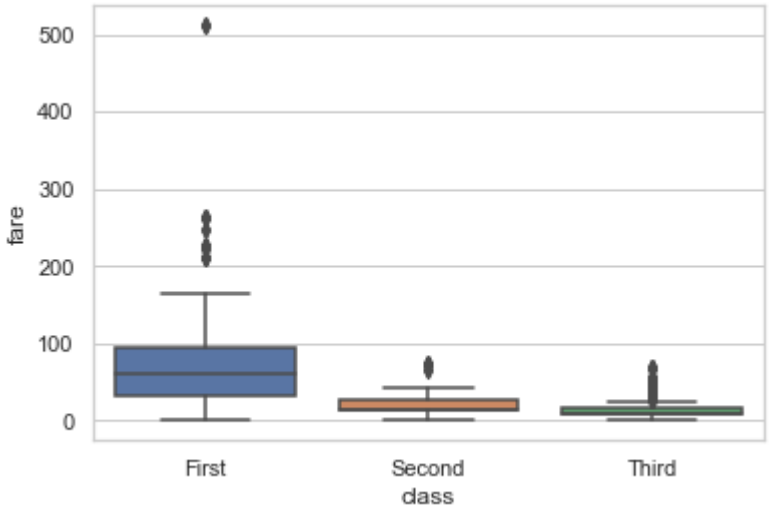
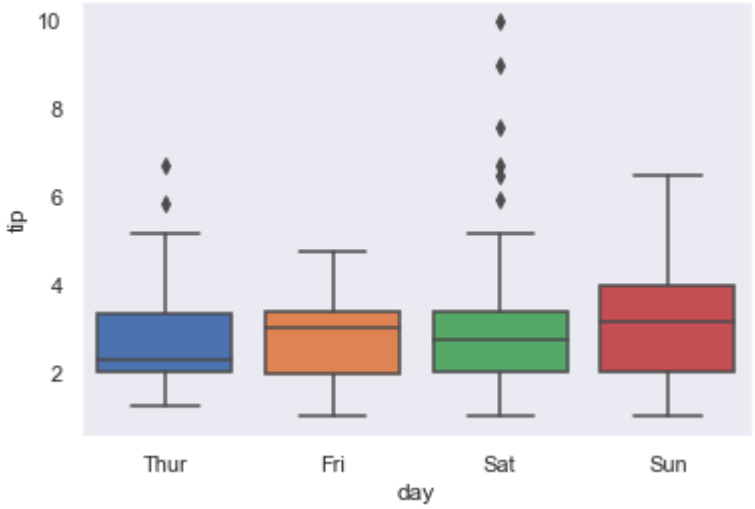
In [1]:
```
# import library
import seaborn as sns

# canvas

sns.set(style='whitegrid')

# load dataset

boat = sns.load_dataset("titanic")
sns.boxplot(x='class', y='fare', data=boat)
```

Out[1]:
```
<AxesSubplot:xlabel='class', ylabel='fare'>
```



In [6]:
```
import seaborn as sns
sns.set(style='dark')
tips= sns.load_dataset('tips')
tips
sns.boxplot(x='day', y='tip', data=tips, saturation=1)
```

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



In [7]:
```
import numpy as np
import pandas as pd
```

```
import seaborn as sns


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

Out[7]:

	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

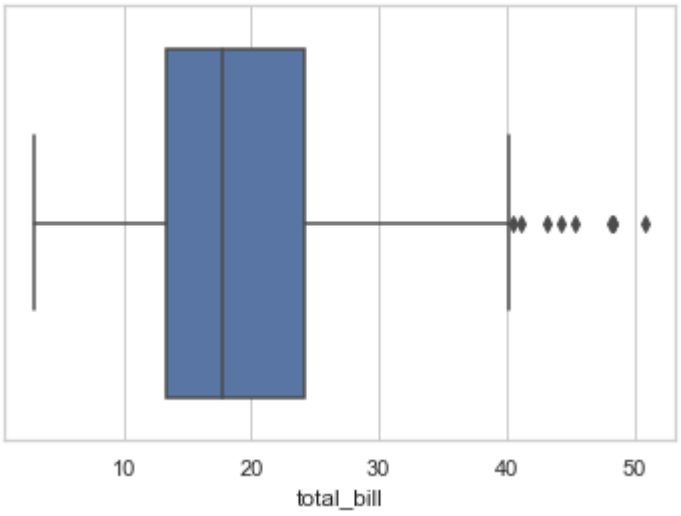
In [8]:
```
tips.describe()
```

Out[8]:

	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

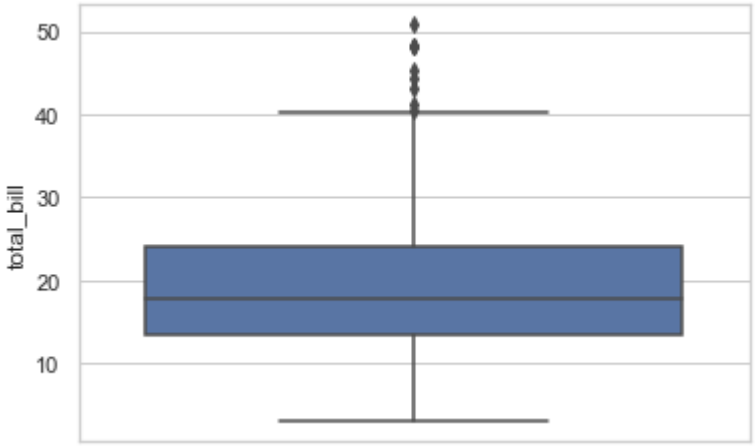
In [11]:
```
import seaborn as sns

sns.set(style='whitegrid')

tips= sns.load_dataset('tips')
sns.boxplot(x =tips['total_bill'])
```

Out[11]:
```
<AxesSubplot:xlabel='total_bill'>
```



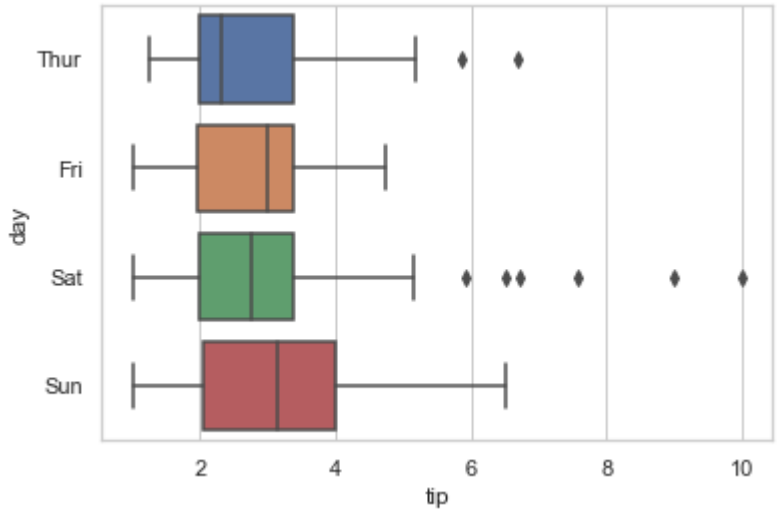
In [12]:
```
import seaborn as sns

sns.set(style='whitegrid')

tips= sns.load_dataset('tips')
sns.boxplot(y =tips['total_bill'])
```

Out[12]:
```
<AxesSubplot:ylabel='total_bill'>
```



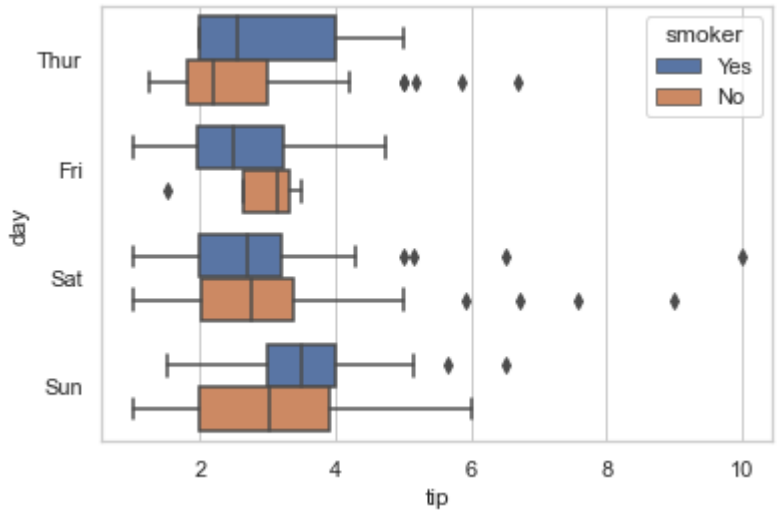
In [13]:
```
import seaborn as sns

sns.set(style='whitegrid')

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

Out[13]:
```
<AxesSubplot:xlabel='tip', ylabel='day'>
```



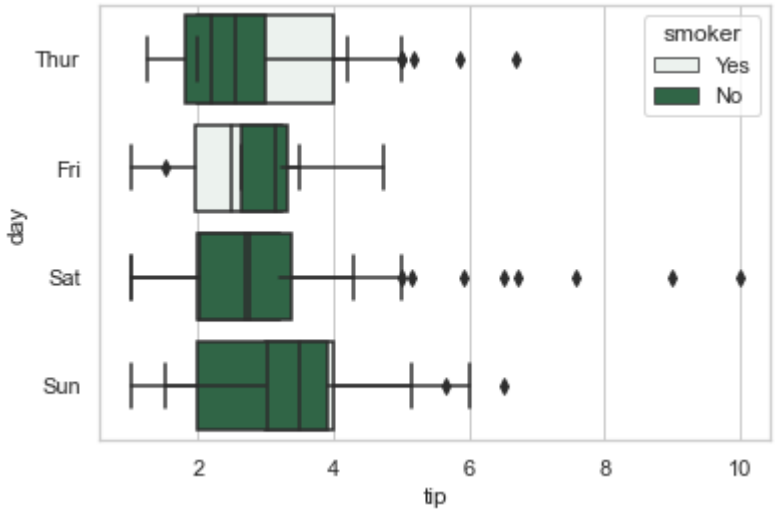
In [15]:
```
import seaborn as sns

sns.set(style='whitegrid')

tips= sns.load_dataset('tips')
sns.boxplot(x='tip', y='day', hue='smoker', data=tips)
```

Out[15]:
```
<AxesSubplot:xlabel='tip', ylabel='day'>
```



In [26]:
```
import seaborn as sns

sns.set(style='whitegrid')

tips= sns.load_dataset('tips')
sns.boxplot(x='tip', y='day', hue='smoker', data=tips, dodge=False, color='#276e45')
```

Out[26]:
```
<AxesSubplot:xlabel='tip', ylabel='day'>
```



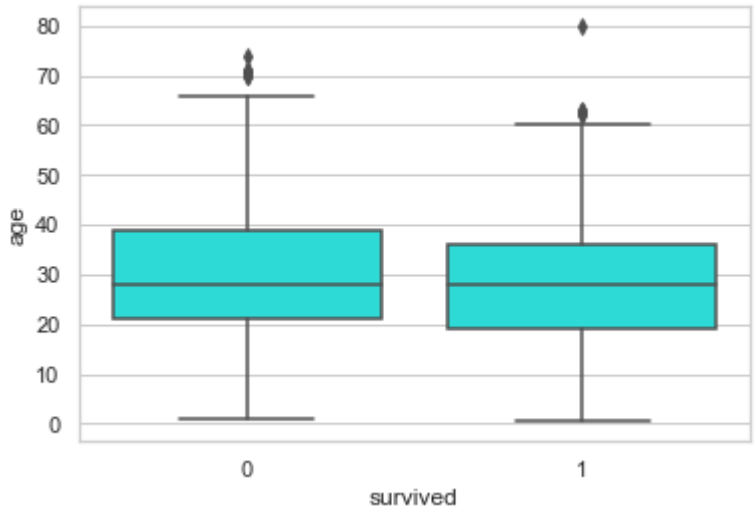
In [29]:
```
import seaborn as sns
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt

boat = sns.load_dataset('titanic')
boat.head()
```

Out[29]:

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

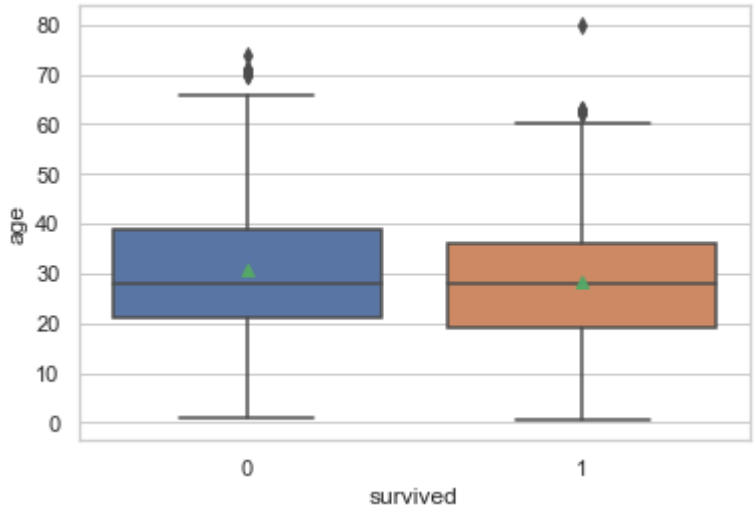
In [32]:
```
sns.boxplot(x='survived', y='age', data=boat, color='#11f7f0')
```

Out[32]:
```
<AxesSubplot:xlabel='survived', ylabel='age'>
```



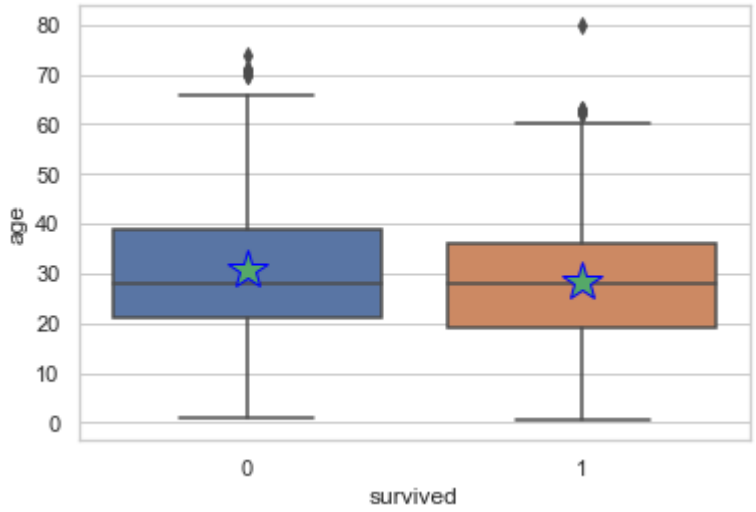
In [34]:
```
sns.boxplot(x='survived', y='age', data=boat, showmeans=True)
```

Out[34]:
```
<AxesSubplot:xlabel='survived', ylabel='age'>
```

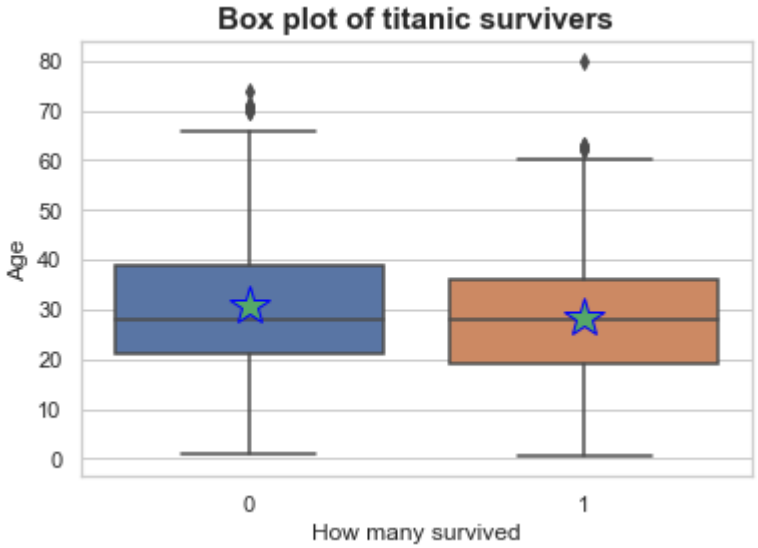


In [39]:
```
sns.boxplot(x='survived', y='age', data=boat, showmeans=True,
            meanprops={"marker": "*", "markersize": "20", "markeredgecolor": "blue"})
```

Out[39]:
```
<AxesSubplot:xlabel='survived', ylabel='age'>
```



In [44]:
```
import seaborn as sns
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt

boat = sns.load_dataset('titanic')
sns.boxplot(x='survived', y='age', data=boat, showmeans=True,
            meanprops={"marker": "*", "markersize": "20", "markeredgecolor": "blue"})
plt.xlabel('How many survived', size=12),
plt.ylabel('Age', size=12),
plt.title('Box plot of titanic survivers', size=15, weight='bold')
plt.show()
```


Box plot of titanic survivers
80
70
60
50
40
30
20
10
0
Age
0
1
How many survived