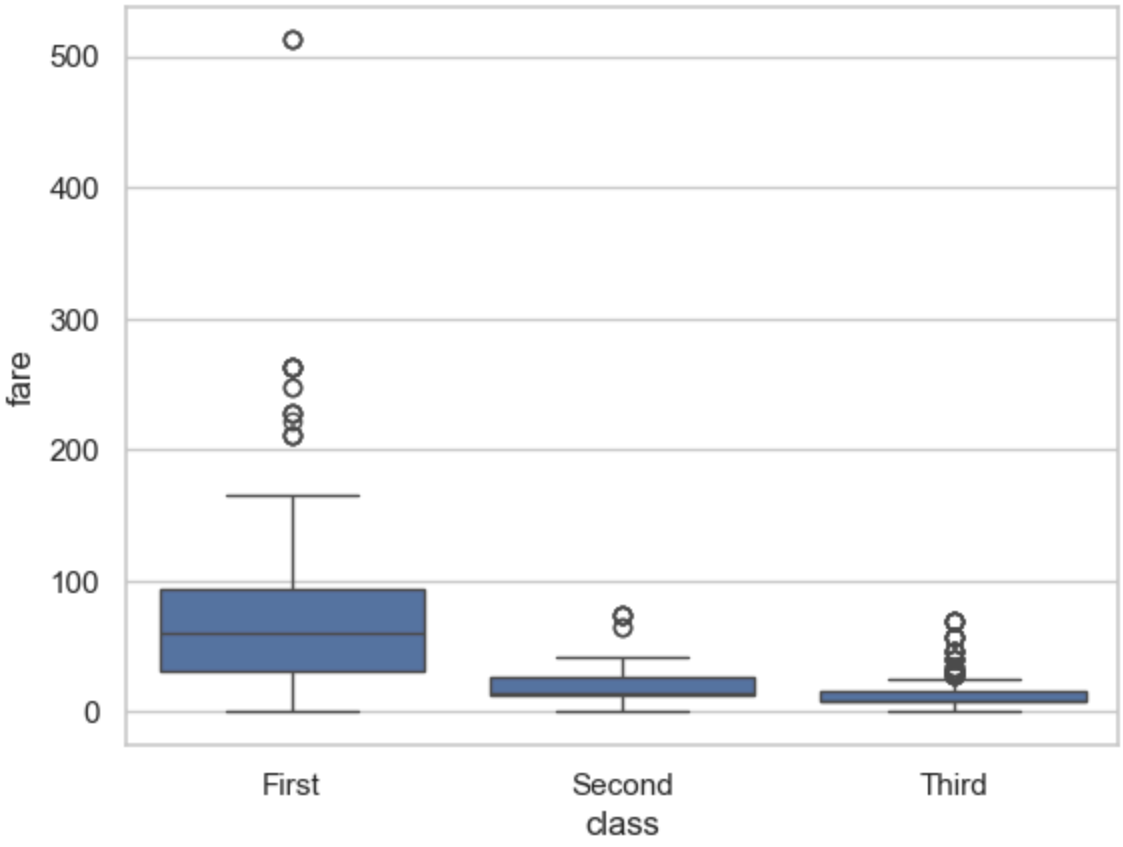
In [1]:
```
# import libraries
import seaborn as sns

sns.set(style = "whitegrid")

# load dataset
kashti = sns.load_dataset("titanic")

# draw lineplot
sns.boxplot(x = "class", y = "fare", data = kashti)
```

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



In [2]:
```
# import libraries
import seaborn as sns

sns.set(style = "whitegrid")

# load dataset
tip = sns.load_dataset("tips")
tip
```

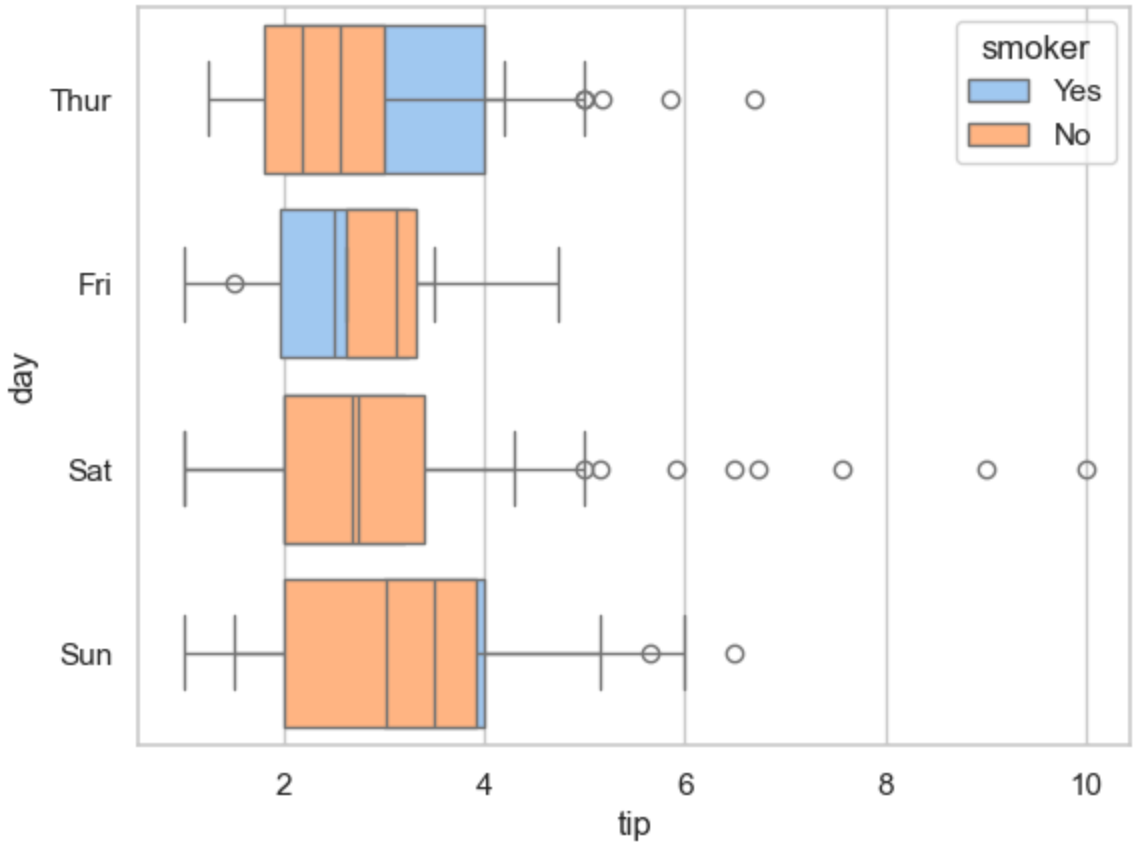
Out[2]:

	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
...	...	...	...	...	...	...	...
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 [3]:
```
# import libraries
import seaborn as sns
# from numpy import mean, median
import matplotlib as plt

sns.set(style = "whitegrid")

# load dataset
tip = sns.load_dataset("tips")

# draw lineplot
sns.boxplot(x = "tip", y = "day", data = tip, hue="smoker", palette = "pastel", sat
```

Out[3]:
```
<Axes: xlabel='tip', ylabel='day'>
```



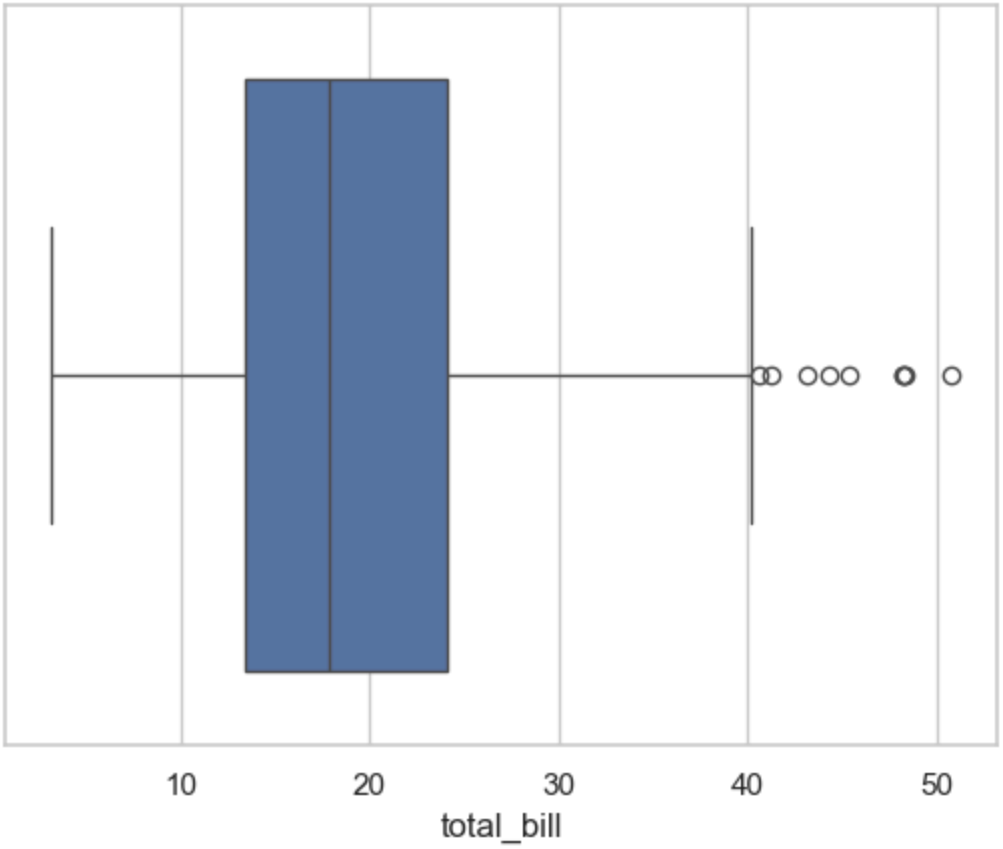
In [4]:
```
# describe a data

# import libraries
import seaborn as sns
import numpy as np
import pandas as pd

# load dataset
tip = sns.load_dataset("tips")
tip.describe()
```

Out[4]:

	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

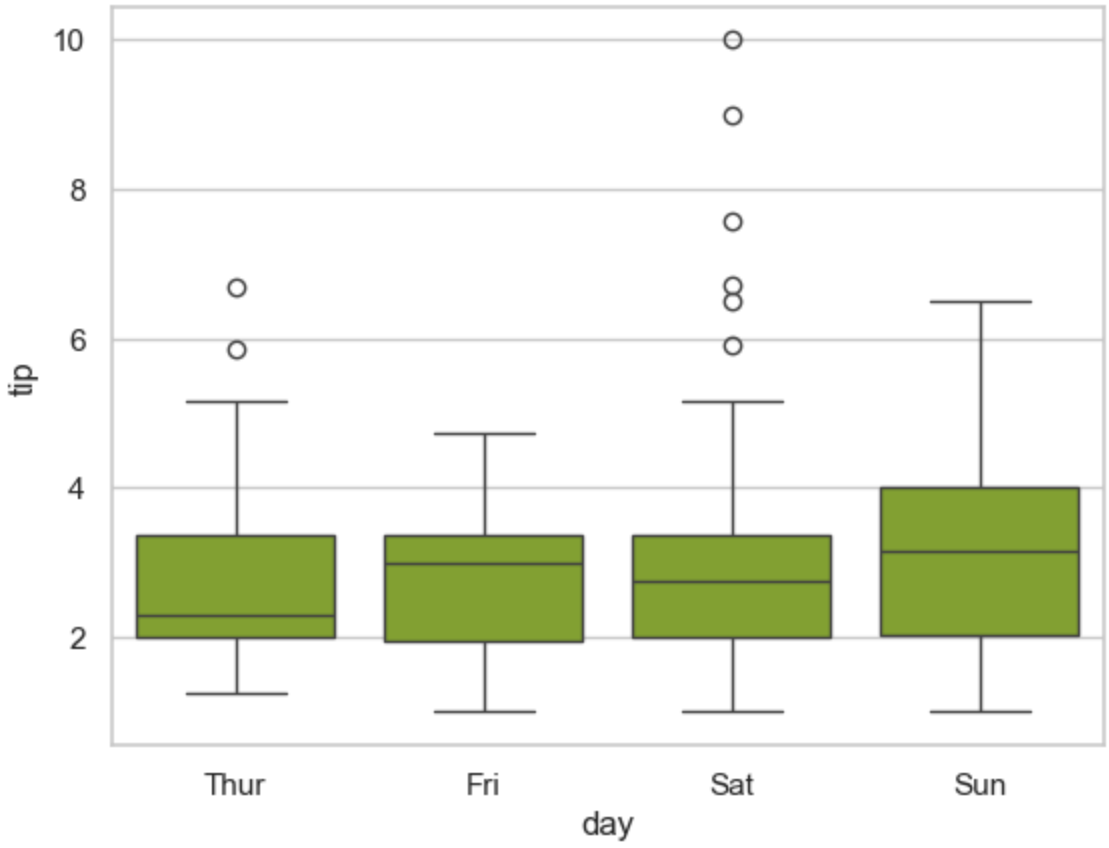
In [5]:
```
# import libraries
import seaborn as sns

sns.set(style = "whitegrid")

# load dataset
tip = sns.load_dataset("tips")

# draw lineplot
sns.boxplot(x = tip["total_bill"])
# sns.boxplot(x = tip["total_bill"], y = tip["size"])
```

Out[5]: <Axes: xlabel='total_bill'>



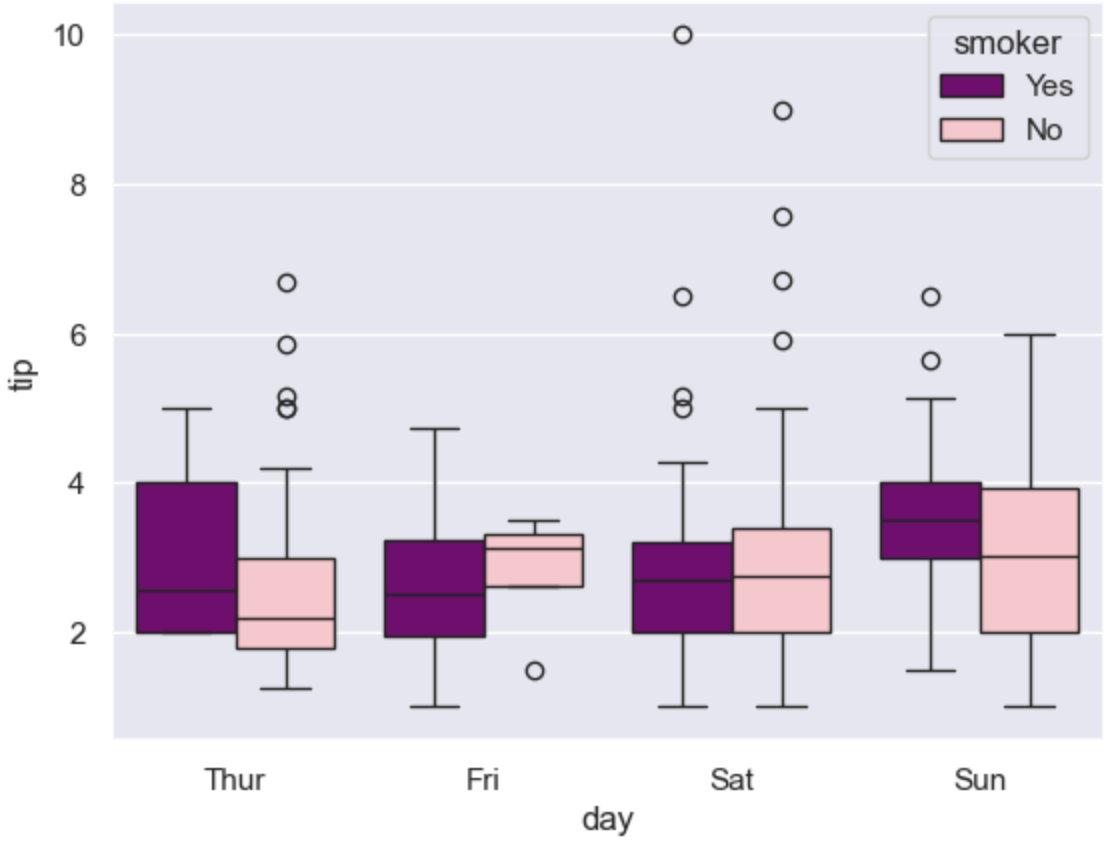
In [6]:
```
# import libraries
import seaborn as sns

sns.set(style = "whitegrid")

# load dataset
tip = sns.load_dataset("tips")

# draw lineplot
sns.boxplot(x = "day", y = "tip", data = tip, color = "#8CB522")
```

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



In [7]:
```
# managing colors in hue

# import libraries
import seaborn as sns

sns.set(style = "darkgrid")

# load dataset
tip = sns.load_dataset("tips")

# draw lineplot
# sns.boxplot(x = "day", y = "tip", data = tip, palette = ["green", "blue"], hue =
sns.boxplot(x = "day", y = "tip", data = tip, palette = {"Yes":"purple", "No":"pink
```

Out[7]:
```
<Axes: xlabel='day', ylabel='tip'>
```



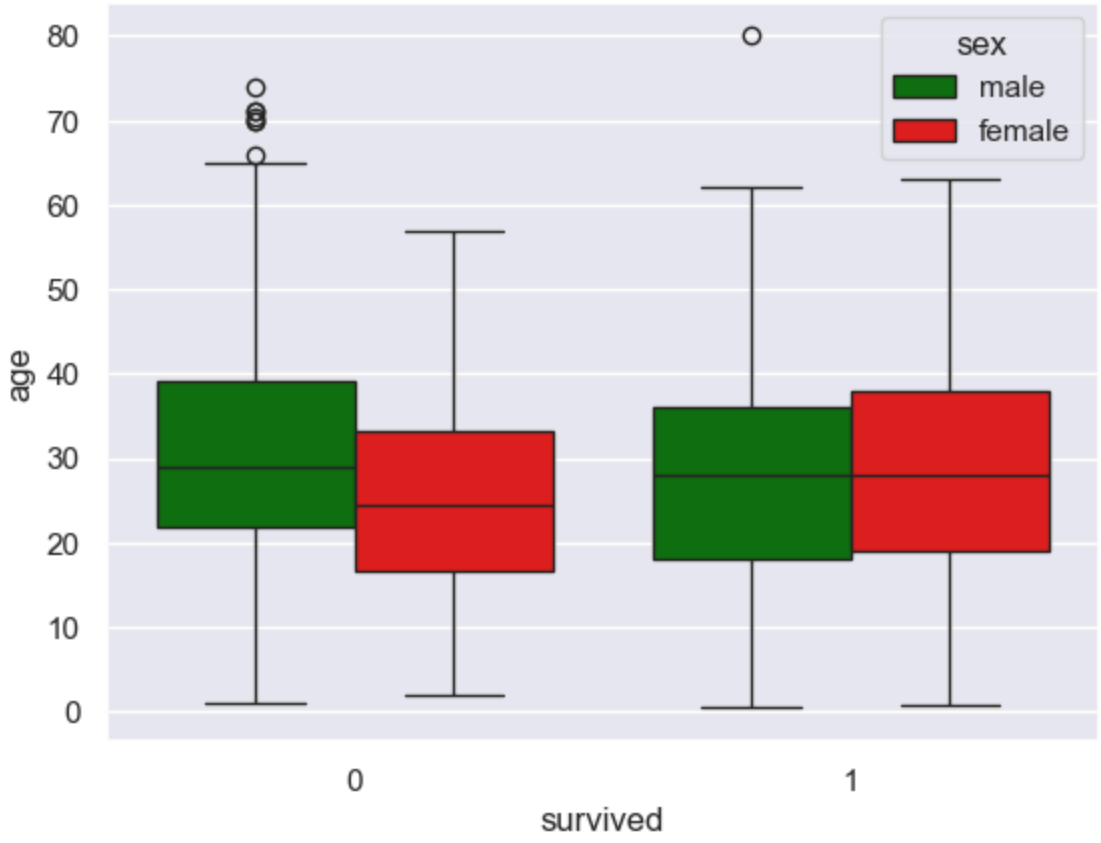
In [8]:
```
#import libraries
import seaborn as sns
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt

kashti = sns.load_dataset("titanic")

# showing first 5 rows of data
kashti.head()
```

Out[8]:

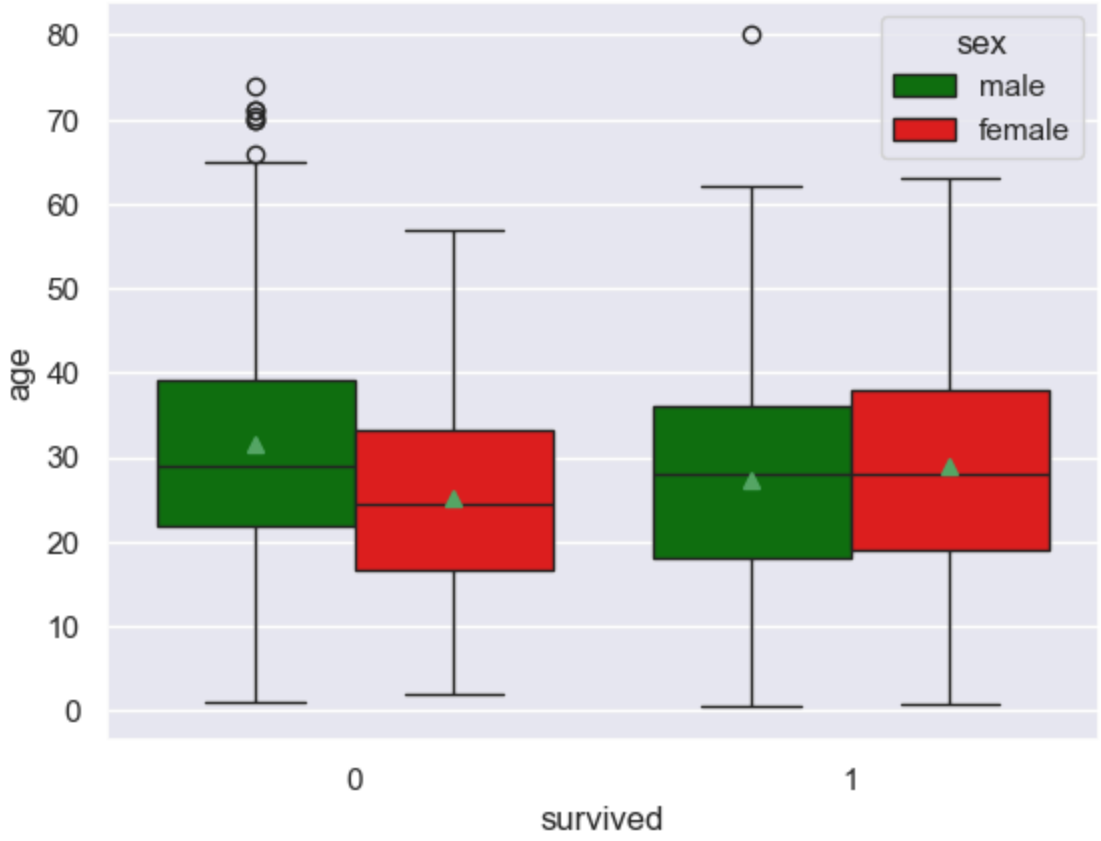
	survived	pclass	sex	age	sibsp	parch	fare	embarked	class	who	adult_m
0	0	3	male	22.0	1	0	7.2500	S	Third	man	T
1	1	1	female	38.0	1	0	71.2833	C	First	woman	F
2	1	3	female	26.0	0	0	7.9250	S	Third	woman	F
3	1	1	female	35.0	1	0	53.1000	S	First	woman	F
4	0	3	male	35.0	0	0	8.0500	S	Third	man	T

In [9]:
```
sns.boxplot(x = "survived",
            y = "age",
            data = kashti,
           palette = ["green", "red"],
           hue = "sex")
```

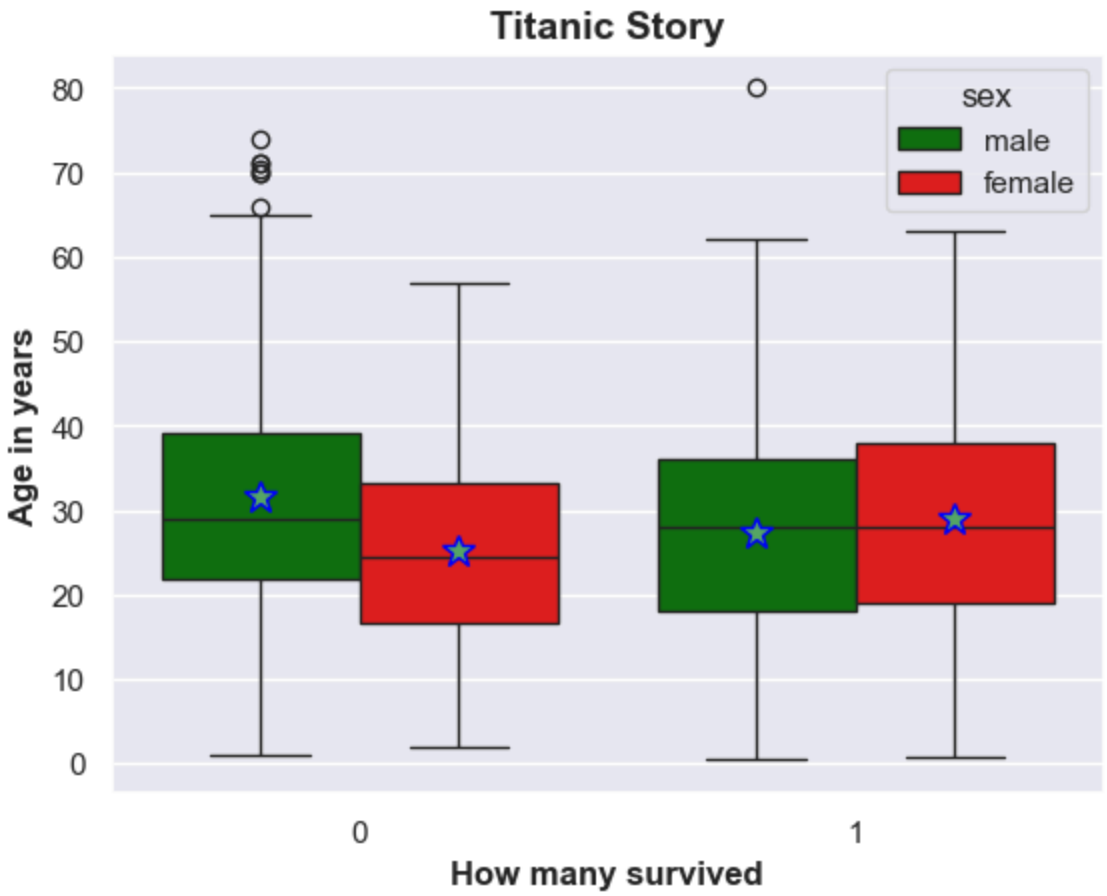
Out[9]: <Axes: xlabel='survived', ylabel='age'>



In [10]:
```
# show means
p1 = sns.boxplot(x = "survived",
                 y = "age",
                 data = kashti,
                palette = ["green", "red"],
                hue = "sex",
                 showmeans = True)
```



In [11]:
```
# show meanprops of your choice, labels, font size, weight

p1 = sns.boxplot(x = "survived",
            y = "age",
            data = kashti,
           palette = ["green", "red"],
           hue = "sex",
            showmeans = True,
                meanprops= {"marker" : "*",
                            "markersize" : "12",
                            "markeredgecolor" : "blue"})

# show labels & font size & weight
plt.xlabel('How many survived', size = 12, weight = "bold")
plt.ylabel('Age in years', size = 12, weight = "bold")
plt.title('Titanic Story', size = 14, weight = "bold")

plt.show()
```



In [12]:
```
# facet wrap & facet grid
import seaborn as sns
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt

tip = sns.load_dataset("tips")
sns.FacetGrid(tip, col = "sex")
```

Out[12]: <seaborn.axisgrid.FacetGrid at 0x1c7ff170a10>