Calculate body mass index

- input height

- input mass

- calculate BMI

In [2]:
```
height = float(input("What is your height (m)? "))
```

In [3]:
```
weight = float(input("What is your weight (kg)? "))
```

In [4]:
```
name = input("what is your name? ")
```

In [5]:
```
BMI = weight/height**2
```

In [6]:
```
print("My name is",name,"and my BMI is",BMI)
```

```
My name is Mumtaz and my BMI is 22.985397512168742
```

Data Visualization

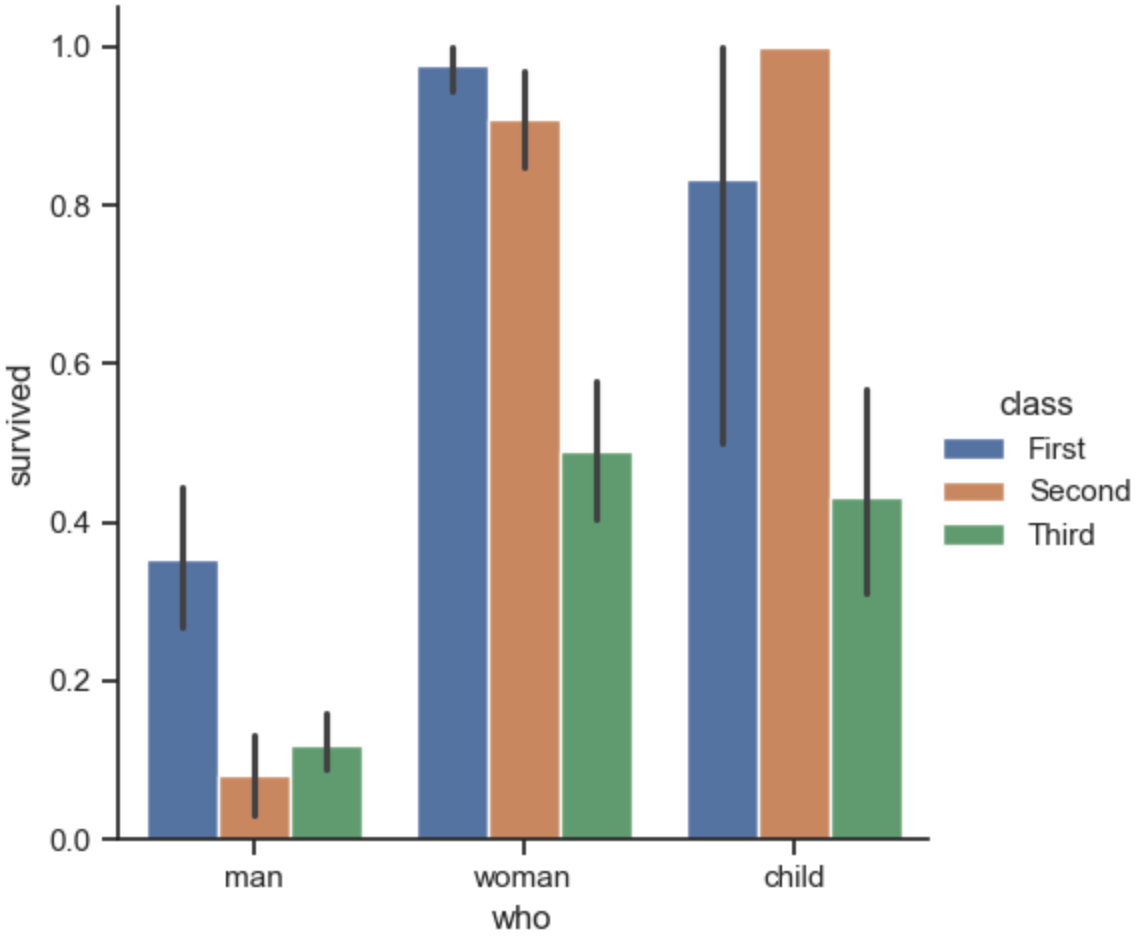
Chart suggestion by Dr. Andrew Abela

In [8]:
```
# Bar Plot
import seaborn as sns
import matplotlib.pyplot as plt
```

In [9]:
```
sns.set_theme(style = "ticks", color_codes = True)
```

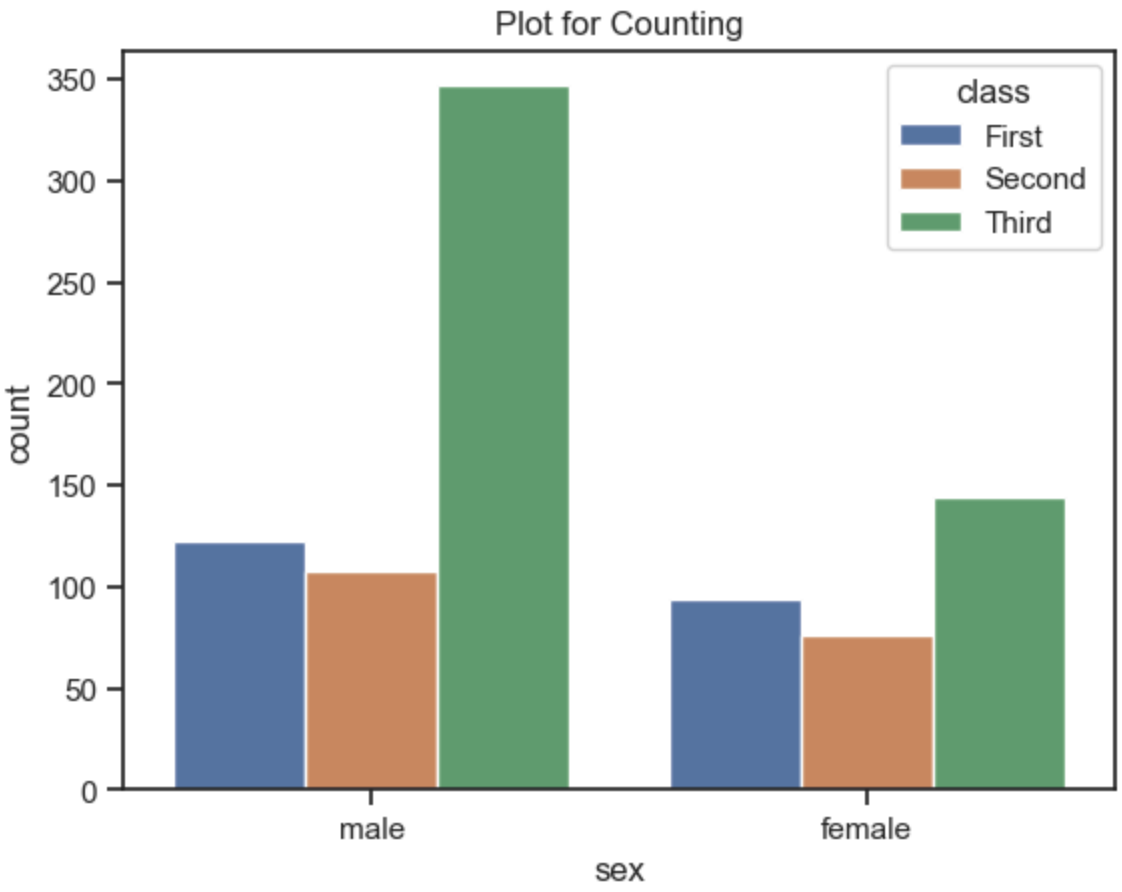
In [10]:
```
titanic = sns.load_dataset("titanic")
#print(titanic)
sns.catplot(x = "who", y = "survived", hue = "class", kind = "bar", data = titanic)
```

Out[10]:
```
<seaborn.axisgrid.FacetGrid at 0x22583d25670>
```

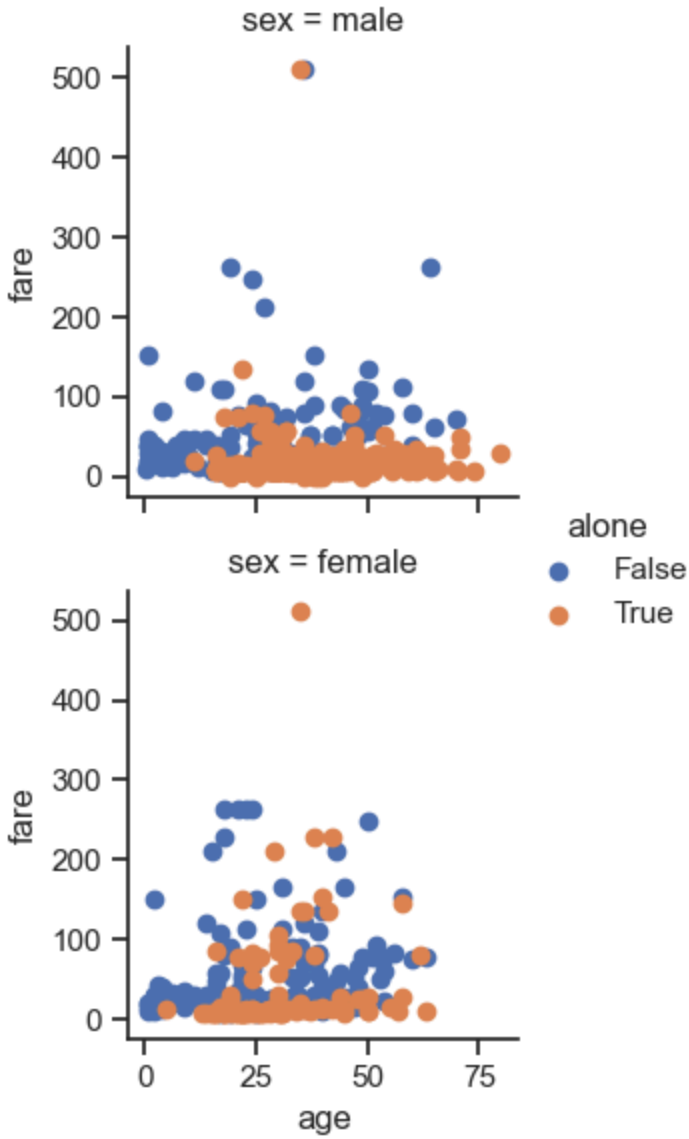


In [11]:
```
# Count Plot
p1 = sns.countplot(x ='sex', data = titanic, hue = 'class')
p1.set_title("Plot for Counting")
```

Out[11]: Text(0.5, 1.0, 'Plot for Counting')



In [12]:
```
# Scatter Plot
g = sns.FacetGrid(titanic, row = "sex", hue = "alone")
g = (g.map(plt.scatter, "age", "fare").add_legend())
```


sex = male
sex = female
fare
age
alone
False
True
0
100
200
300
400
500
0
25
50
75