BMI

In [2]:
```python
height=input("Enter your height:")
height=float(height)
weight=input("Enter your weight:")
weight=float(weight)
BMI=weight/height**2
print(BMI)
```

```
Enter your height:45.4
Enter your weight:3.43
0.0016641114712103865
```

BMI by using function

In [4]:
```python
def BMI():
    height=input("Enter your height:")
    height=float(height)
    weight=input("Enter your weight:")
    weight=float(weight)
    BMI=weight/height**2
    print("My height is ",height," and my weight is ",weight," and it's BMI is ",BMI)

BMI()
```
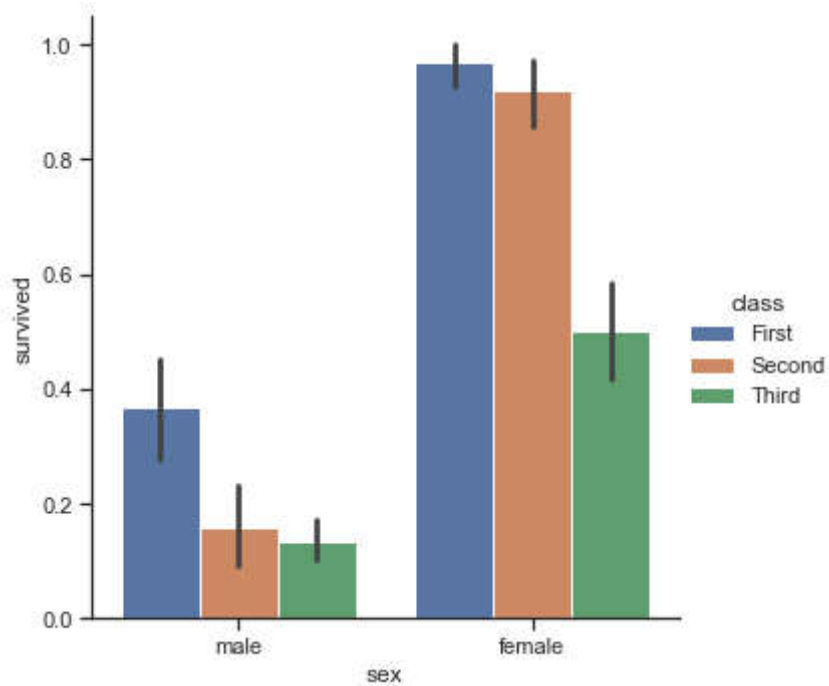
```
Enter your height:3.43
Enter your weight:5.43
My height is  3.43  and my weight is  5.43  and it's BMI is  0.4615423845506549
```

Barplot

In [6]:
```python
import seaborn as sns
import matplotlib.pyplot as plt
sns.set_theme(style="ticks",color_codes=True)

titanic=sns.load_dataset("titanic")
sns.catplot(x="sex",y="survived",hue="class",kind="bar",data=titanic)
plt.show()
```
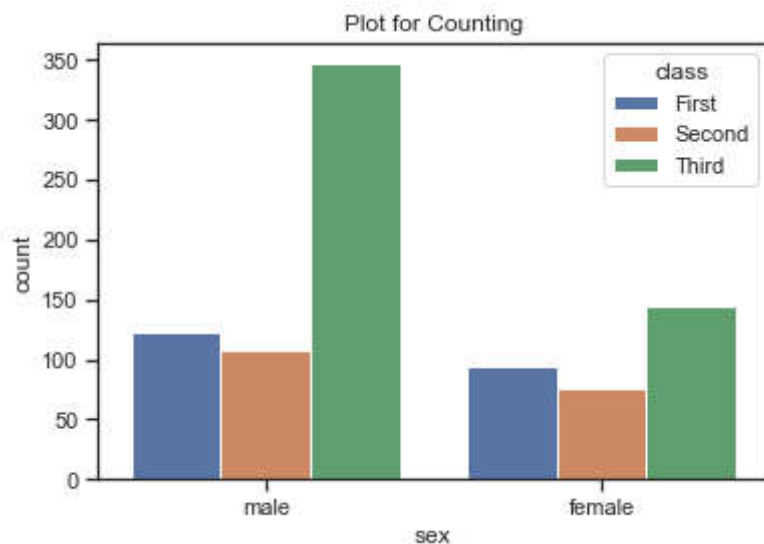
Countplot

```
In [8]:    import seaborn as sns
           import matplotlib.pyplot as plt
           sns.set_theme(style="ticks",color_codes=True)

           titanic=sns.load_dataset("titanic")
           p1=sns.countplot(x="sex",data=titanic,hue="class")
           p1.set_title("Plot for Counting")
           plt.show()
```


Scatterplot

```
In [9]:    import seaborn as sns
```

```python
import matplotlib.pyplot as plt
sns.set_theme(style="ticks",color_codes=True)

titanic=sns.load_dataset("titanic")
g=sns.FacetGrid(titanic,row="sex",hue="alone")
g=(g.map(plt.scatter,"age","fare").add_legend())
plt.show()
```