BMI (Body Mass Index)

Input Weight

Height

formula : weight / height * height

Calculate BMI

In [6]:
```python
height = float( input("what is your height in meters : "))
print('height is :', height)
type(height)
```

```
what is your height in meters : 7
height is : 7.0
```
Out[6]:
```
float
```

In [8]:
```python
weight = float(input("what is your weight in Kilograms : "))
weight
```

```
what is your weight in Kilograms : 68
```
Out[8]:
```
68.0
```

In [3]:
```python
Name = input("what is your Name : ")
Name
```

```
what is your Name : Aaqib
```
Out[3]:
```
'Aaqib'
```

In [9]:
```python
BMI = weight / height ** 2
BMI
```
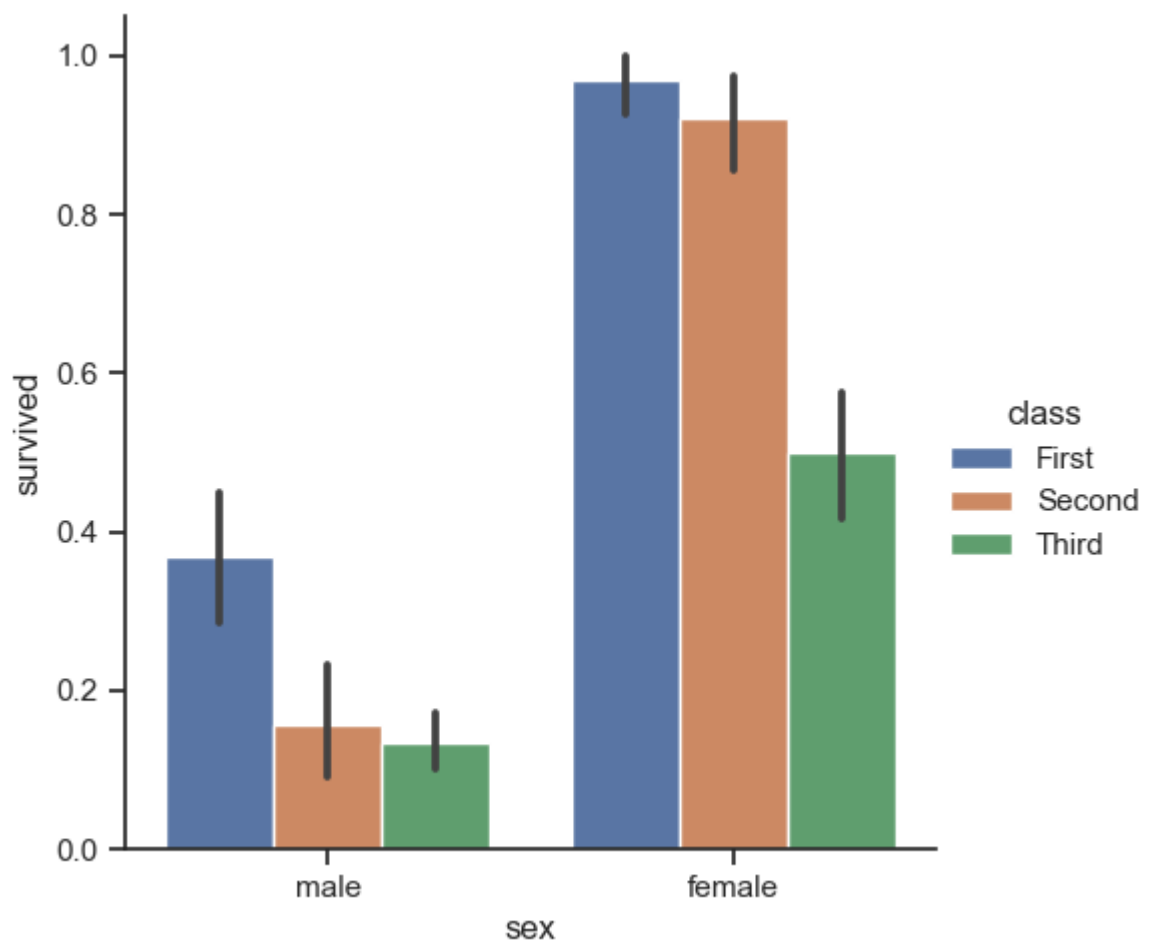
Out[9]:
```
1.3877551020408163
```

In [10]:
```python
print("Your name is ",Name,'and your BMI is ',BMI)
```

```
Your name is  Aaqib and your BMI is  1.3877551020408163
```

In [12]:
```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)
```
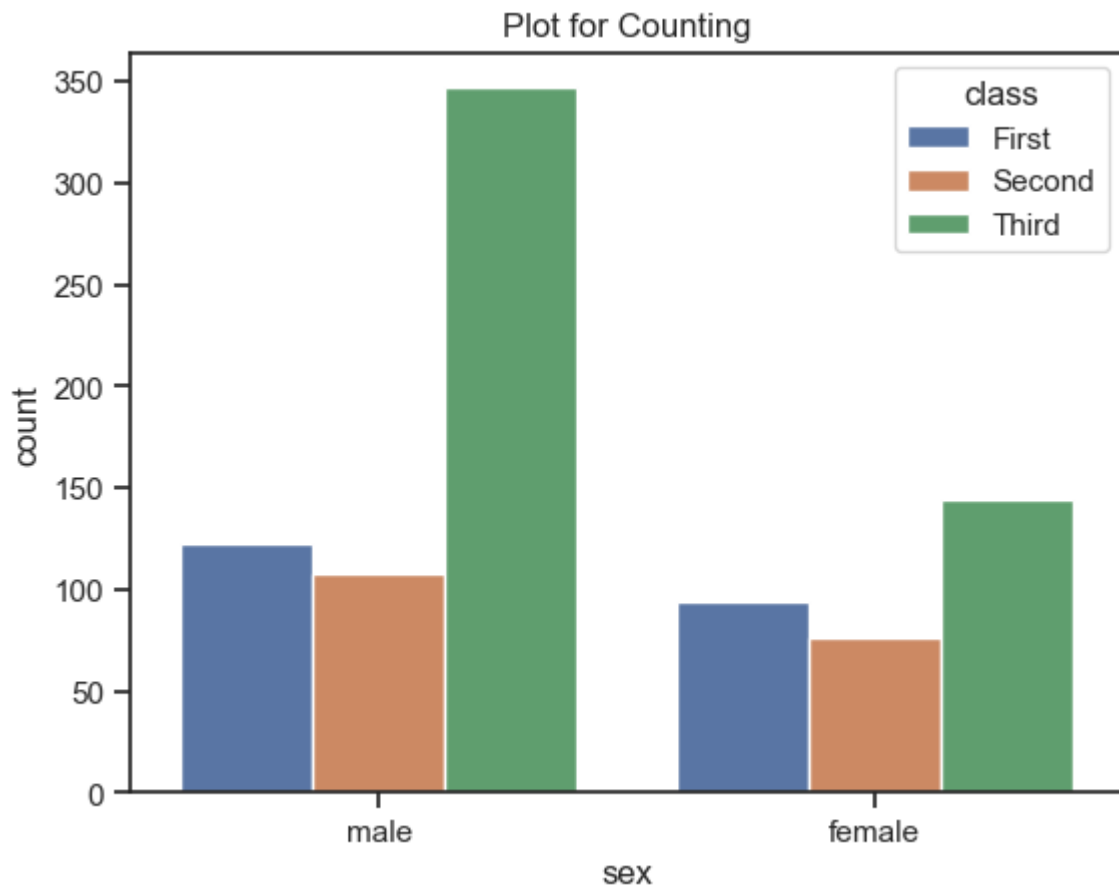
Out[12]:
```
<seaborn.axisgrid.FacetGrid at 0x1d79de21f10>
```

```
In [13]:  import seaborn as sns
          import matplotlib.pyplot as plt

          sns.set_theme(style="ticks",color_codes= True)

          titanic = sns.load_dataset("titanic")
          plot1 = sns.countplot(x="sex",hue="class",data=titanic)
          plot1.set_title("Plot for Counting")
          plt.show()
```

Plot for Counting


```
In [19]:  import seaborn as sns
          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()
```