In [1]:
```
# body mass index (BMI)
#input Weight
#Height
#BMI(Ask yourself your height)
#your weight input finction
#calculate BMI
#Print BMI(My name is -----, and my BMI is -----)
```

In [2]:
```
#Weight in Kg/height in meter and its square
```

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

```
what is your height1.3
```

In [4]:
```
height = float(height)
```

In [5]:
```
weight = input("what is your weight")
```

```
what is your weight47
```

In [6]:
```
weight = float(weight)
```

In [7]:
```
name = input("what is your name?")
```

```
what is your name?ayesha
```

In [8]:
```
BMI = weight/height**2
BMI
```

Out[8]:
```
27.81065088757396
```

In [9]:
```
print("My name is", name, "and my BMI is", BMI)
```

```
My name is ayesha and my BMI is 27.81065088757396
```

In [10]:
```
pip install matplotlib
```

```
Requirement already satisfied: matplotlib in c:\users\umair\anaconda3\lib\site-packa
ges (3.4.3)
Requirement already satisfied: pyparsing>=2.2.1 in c:\users\umair\anaconda3\lib\site
-packages (from matplotlib) (3.0.4)
Requirement already satisfied: cycler>=0.10 in c:\users\umair\anaconda3\lib\site-pac
kages (from matplotlib) (0.10.0)
Requirement already satisfied: pillow>=6.2.0 in c:\users\umair\anaconda3\lib\site-pa
ckages (from matplotlib) (8.4.0)
Requirement already satisfied: kiwisolver>=1.0.1 in c:\users\umair\anaconda3\lib\sit
e-packages (from matplotlib) (1.3.1)
Requirement already satisfied: python-dateutil>=2.7 in c:\users\umair\anaconda3\lib
\site-packages (from matplotlib) (2.8.2)
Requirement already satisfied: numpy>=1.16 in c:\users\umair\anaconda3\lib\site-pack
ages (from matplotlib) (1.20.3)
Requirement already satisfied: six in c:\users\umair\anaconda3\lib\site-packages (fr
```

```
om cycler>=0.10->matplotlib) (1.16.0)
Note: you may need to restart the kernel to use updated packages.
```

In [11]:

```
#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="servived", hue="class", kind="bar", data=titanic)
```

In [13]:

```
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()
```