

```
#Body mass index

#input weight

#height

#BMI

#calculate BMI

#print BMI (My name is,    and my BMI is    )
```

```
#BMI = weight in kg/ height**2
```

```
In [1]: height = input("what is your height?")
```

```
what is your height?1.5
```

```
In [2]: height=float(height) #added to tell type
```

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

```
what is your weight? 40
```

```
In [4]: weight=float(weight) #added to make it same as height i.e float
```

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

```
what is your name?sandhu
```

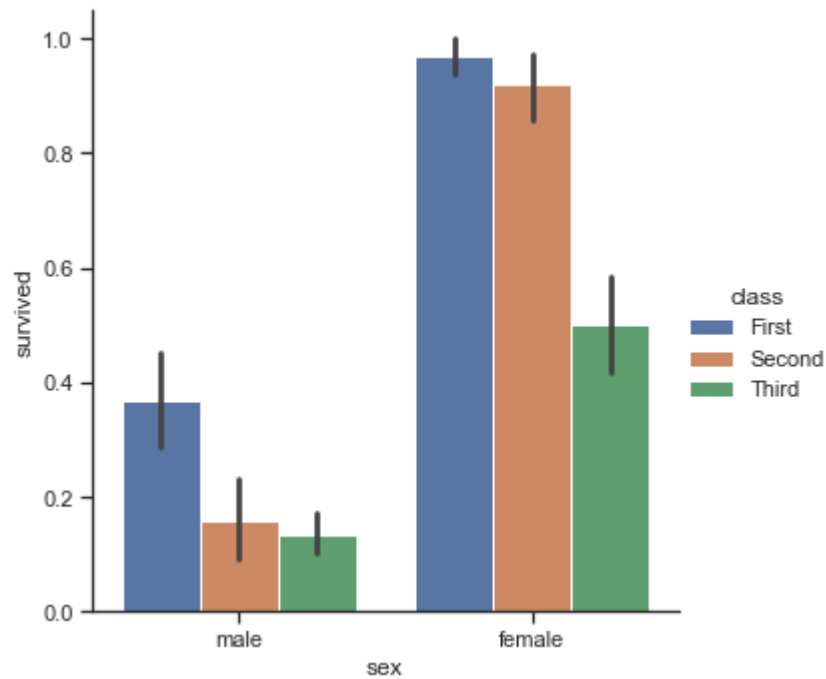
```
In [9]: BMI= weight/height**2 #It will give error as weight is in integer while height is  
BMI
```

```
Out[9]: 17.77777777777778
```

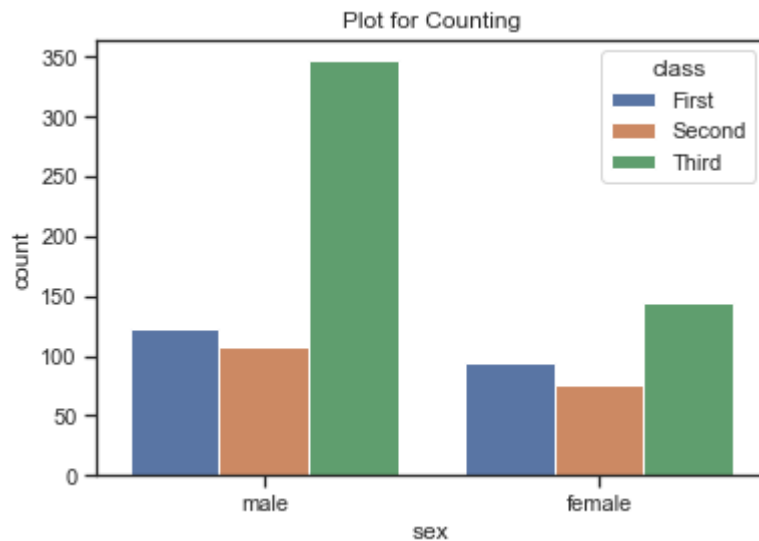
```
In [11]: print("My name is", name, "and my BMI is", BMI )
```

```
My name is sandhu and my BMI is 17.77777777777778
```

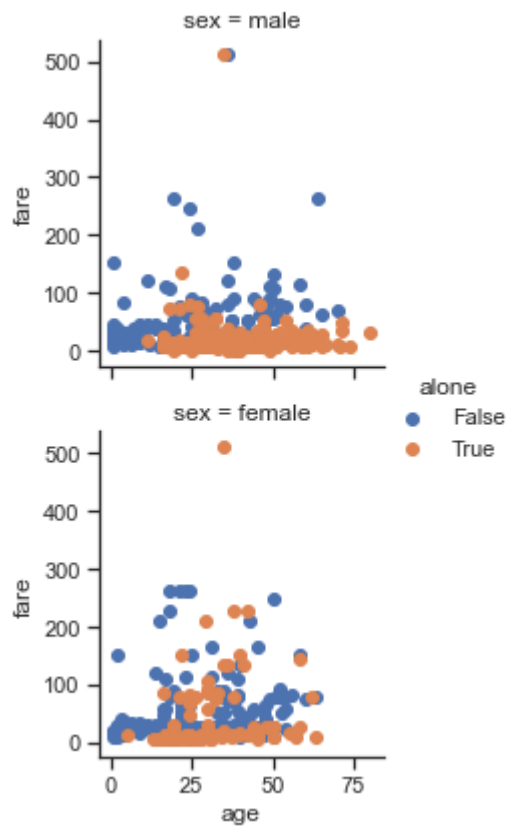
```
In [18]: #BARPLOTS
import seaborn as sns
import matplotlib.pyplot as plt
sns.set_theme(style="ticks", color_codes=True)
titanic=sns.load_dataset("titanic")
sns.catplot(x="sex", y="survived", hue="class", kind="bar",data=titanic)
plt.show()
```



```
In [20]: #COUNTPLOTS
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()
```



```
In [21]: #SCATTER PLOTS
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()
```



In [ ]:

