Body mass index(BMI)

Input Weight

Height

BMI (ask yourself height)

Weight

Calculate BMI

Print BMI (My name is , and my BMI is ----)

BMI = Weight in kg/Height in m*2

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

        What is your height ?  1.74
```

```
In [2]: height=float(height)
```

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

        What is your weight ?   63
```

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

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

        What is your name ?  Hina Riaz
```

```
In [6]: BMI = weight/height**2
        BMI
```

```
Out[6]: 20.808561236623067
```

```
In [8]: print("My name is" , name, "and my BMI is" , BMI)

        My name is Hina Riaz and my BMI is 20.808561236623067
```
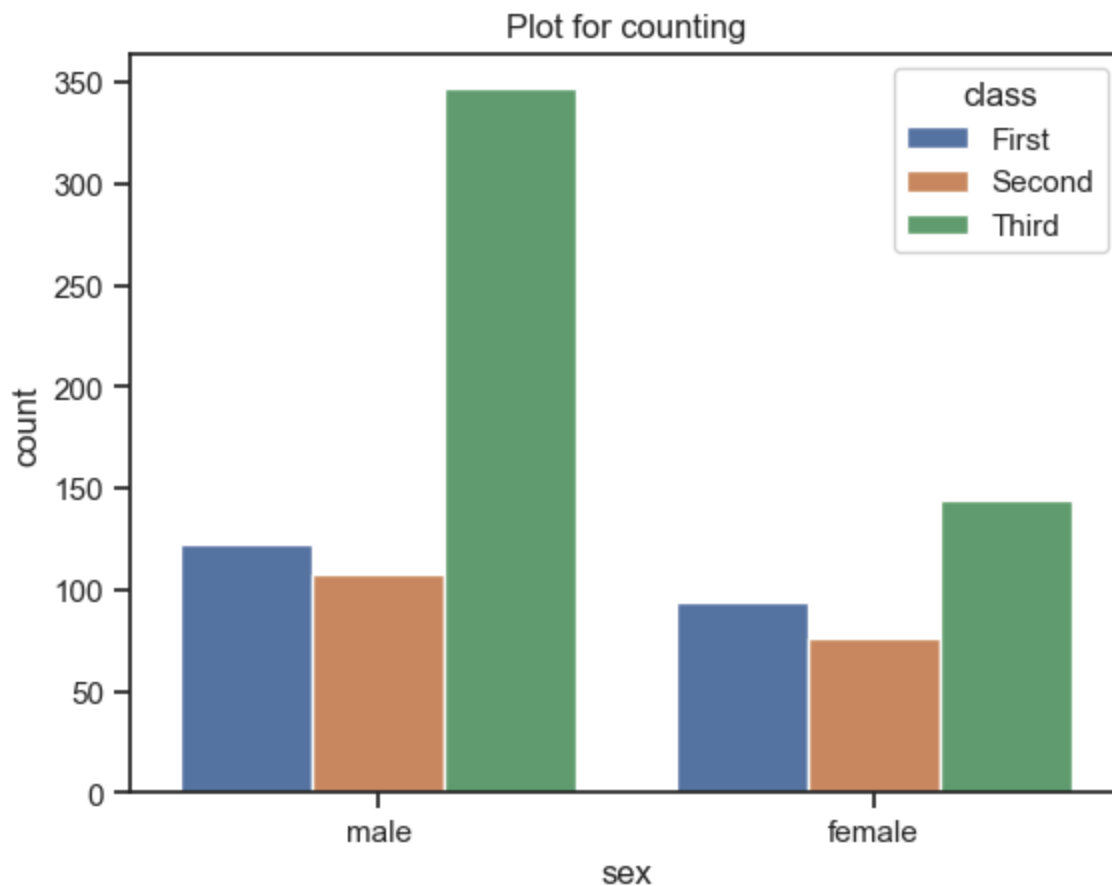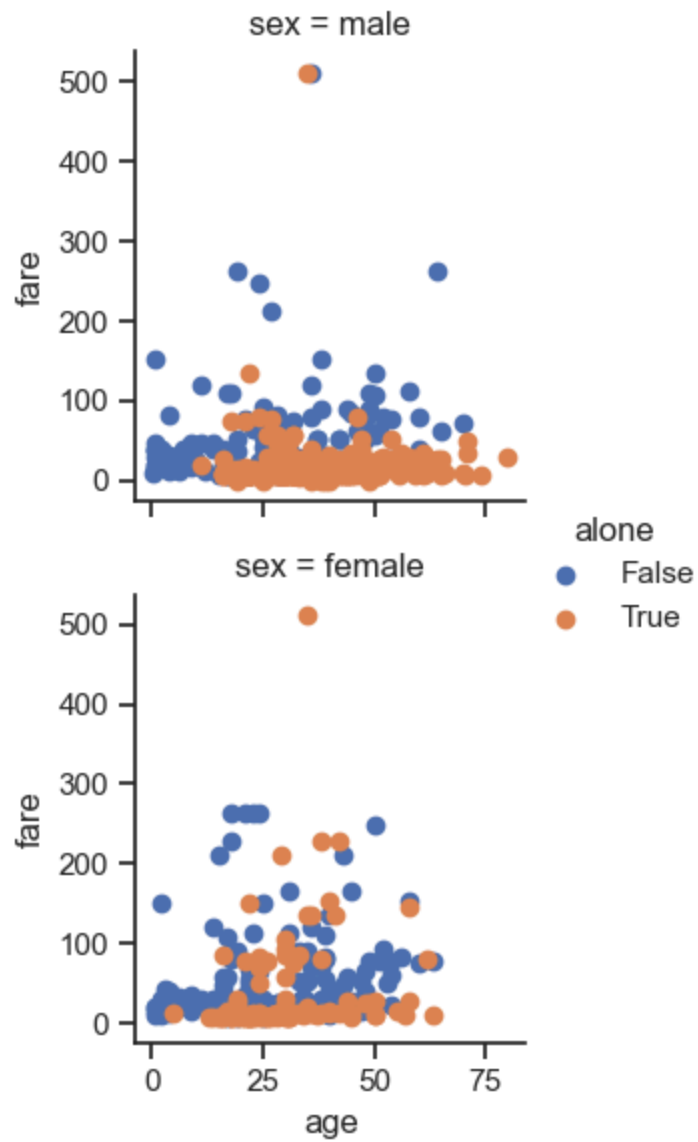
Graph Plot

```
In [1]: #Bar plot
        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()
```
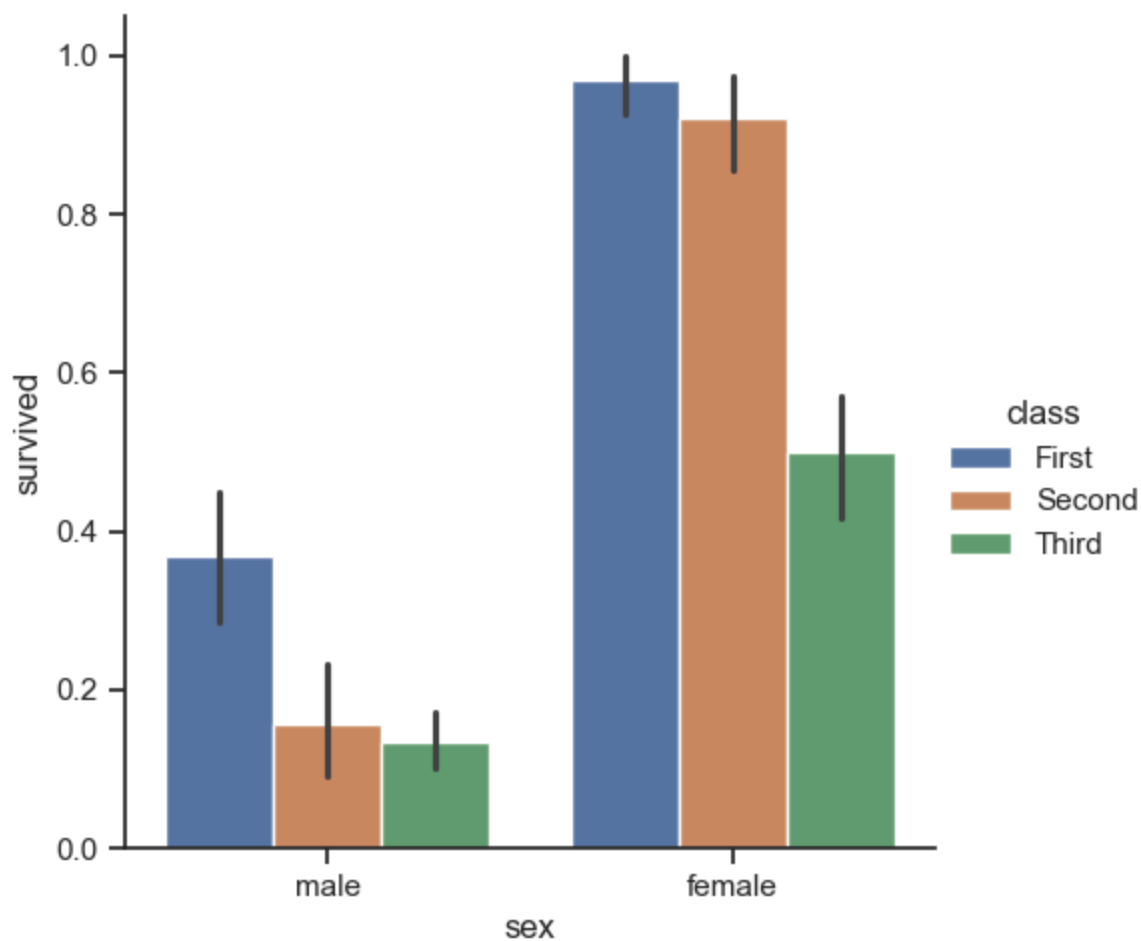
In [3]:
```python
#Count plot
import seaborn as sns
import matplotlib.pyplot as plt
sns.set_theme(style="ticks" , color_codes=True)
titanic= sns.load_dataset("titanic")
p1=sns.countplot(x="sex", data=titanic, hue="class")
p1.set_title("Plot for counting")
plt.show()
```

In [5]:
```python
#Scatter plot
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 [ ]: