calculate BMI

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

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

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

```
In [ ]:   Weight = float(weight)
```
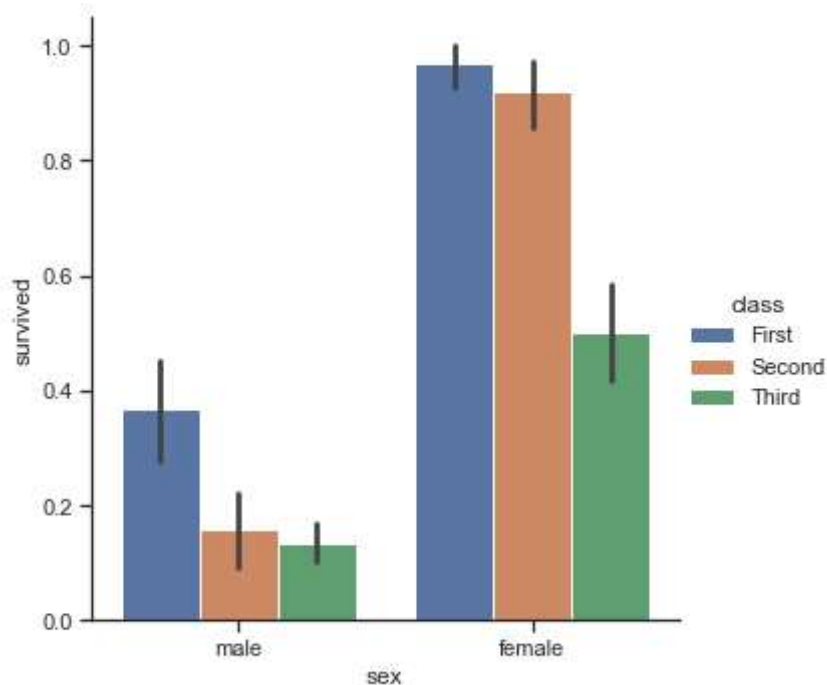
```
In [ ]:   name = input("what is your name?")
```

```
In [ ]:   BMI = Weight/Height**2
```

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

```
In [19]:  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()
```
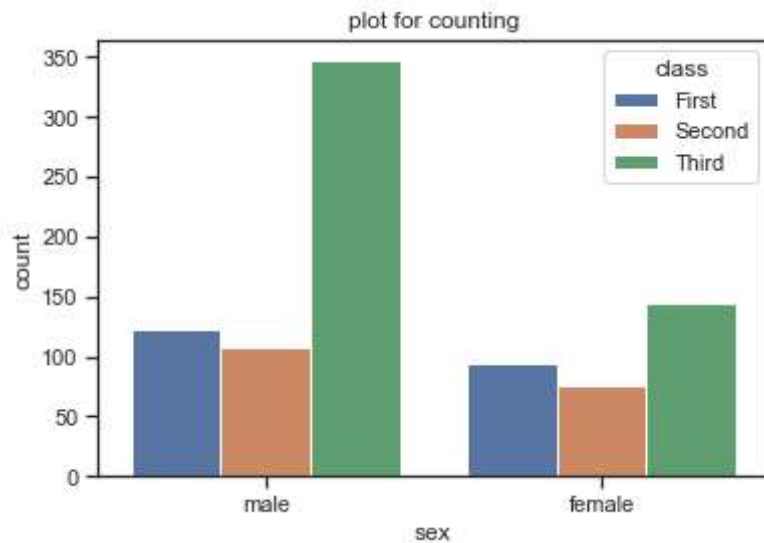


```
In [12]:  import seaborn as sns
```
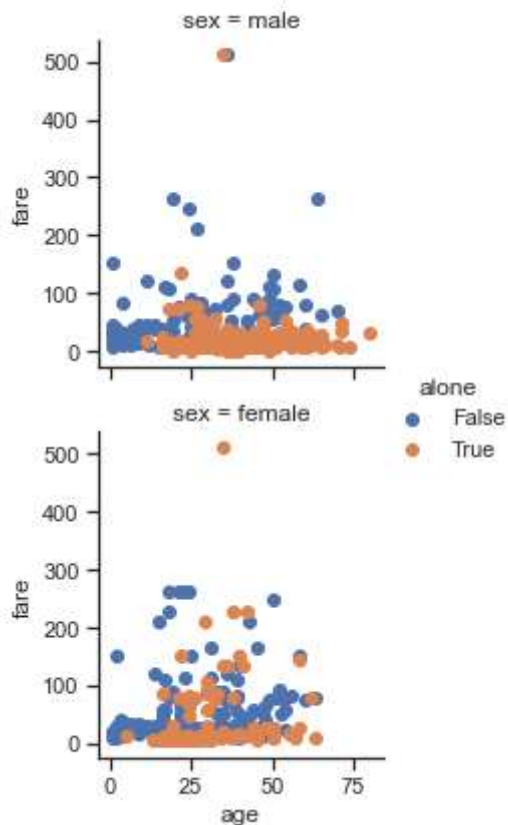
```python
import matplotlib.pyplot as plt
sns.set_theme(style="ticks",color_codes=True)

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


In [17]:
```python
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 [21]:    import seaborn as sb
            sb.get_dataset_names()
```

```
Out[21]:    ['anagrams',
             'anscombe',
             'attention',
             'brain_networks',
             'car_crashes',
             'diamonds',
             'dots',
             'exercise',
             'flights',
             'fmri',
             'gammas',
             'geyser',
             'iris',
             'mpg',
             'penguins',
             'planets',
             'taxis',
             'tips',
             'titanic']
```

```
In [22]:    import seaborn as sns
            import matplotlib.pyplot as plt
            sns.set_theme(style="ticks",color_codes=True)
            titanic = sns.load_dataset("titanic")
            titanic
```

Out[22]:

survived	pclass	sex	age	sibsp	parch	fare	embarked	class	who	adult_male	dec

	survived	pclass	sex	age	sibsp	parch	fare	embarked	class	who	adult_male	dec
0	0	3	male	22.0	1	0	7.2500	S	Third	man	True	Na
1	1	1	female	38.0	1	0	71.2833	C	First	woman	False	
2	1	3	female	26.0	0	0	7.9250	S	Third	woman	False	Na
3	1	1	female	35.0	1	0	53.1000	S	First	woman	False	
4	0	3	male	35.0	0	0	8.0500	S	Third	man	True	Na
...	...	...	...	...	...	...	...	...	...	...	...	
886	0	2	male	27.0	0	0	13.0000	S	Second	man	True	Na
887	1	1	female	19.0	0	0	30.0000	S	First	woman	False	
888	0	3	female	NaN	1	2	23.4500	S	Third	woman	False	Na
889	1	1	male	26.0	0	0	30.0000	C	First	man	True	
890	0	3	male	32.0	0	0	7.7500	Q	Third	man	True	Na

891 rows × 15 columns

In [ ]:
```python
#steps involved in Data Visualization
# Step-1 import libraries
import seaborn as sns
import matplotlib.pyplot as plt

# Step-2 set a theme
sns.set_theme(style="ticks", color_codes=True)

# Step-3 import data set you can also import your own data
kashti =  sns.load_dataset("titanic")
#print(kashti)

# # Step-4 plot basic graph with 1 variable (count)
p = sns.countplot(x= "sex", data=kashti)
plt.show()

# Step-5 plot basic graph with 2 variable (count plot)
p = sns.countplot(x= "sex", data=kashti, hue="class")
plt.show()

# Step-6 plot basic graph with 2 variable (count plot) wiith Titles
p = sns.countplot(x= "sex", data=kashti, hue="class")
p.set_title("Baba_aammar ka count plot for kashti")
plt.show()
```

In [ ]:
```python
# import library
import pandas as pd

#import data from file
chilla = pd.read_csv("data_viz.csv")
print(chilla)
```

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

p= sns.countplot(x="Gender", hue="Age",  data=chilla)
plt.show()
```

countplot aik categorical graph hey jo key sirf count krta hey is liye is key y axes key liye kuch bee nai kaha jae ga wo khud ba khud number dey dey ga

In [ ]:

```python
import seaborn as sns
import matplotlib.pyplot as plt
```