In [2]:
```
# BMI- body mass index
#input weight
#input height
#BMI (Ask your weight and height)
#Calculate BMI
#print("My name is",  , "My BMI is",)
```

In [3]:
```
## BMI= weight/height**2
```

In [8]:
```
weight =input("What is your weight in kg?")
weight=float(weight)
```

```
What is your weight in kg?88.2
```

In [11]:
```
height =input("What is your height in meters?")
height =float(height)
```

```
What is your height in meters?1.8288
```

In [12]:
```
name = input("What is your name?")
```

```
What is your name?Faizan
```

In [13]:
```
type(height)
```

Out[13]:
```
float
```

In [14]:
```
type(height)
```

Out[14]:
```
float
```

In [15]:
```
BMI = weight/height**2
BMI
```

Out[15]:
```
26.37158052093882
```

In [ ]:
```
print("My name is", name  , ". My BMI is", BMI)
```

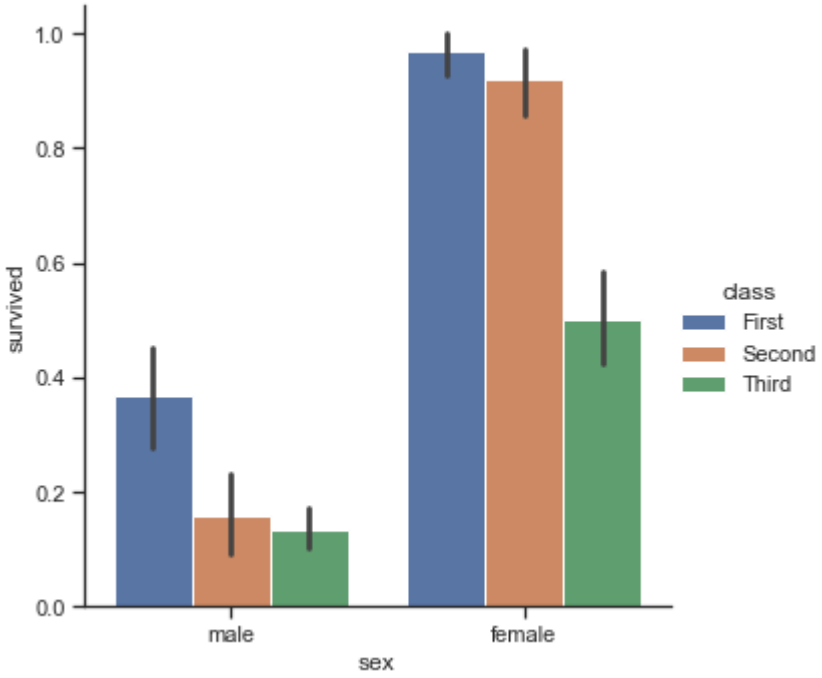
In [ ]:
```
# Bar plot using Seaborn library
```

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")
```

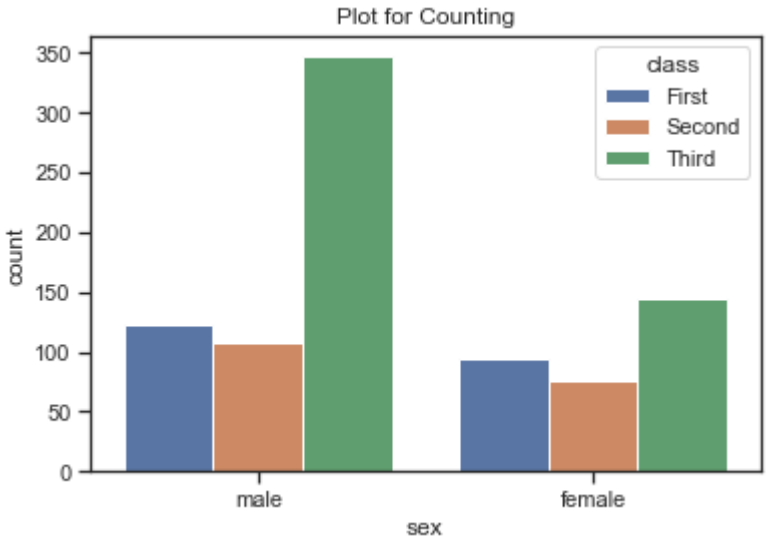
```
sns.catplot(x="sex", y="survived", hue="class", kind="bar", data=titanic)
plt.show()
```

```
Matplotlib is building the font cache; this may take a moment.
```



In [2]:

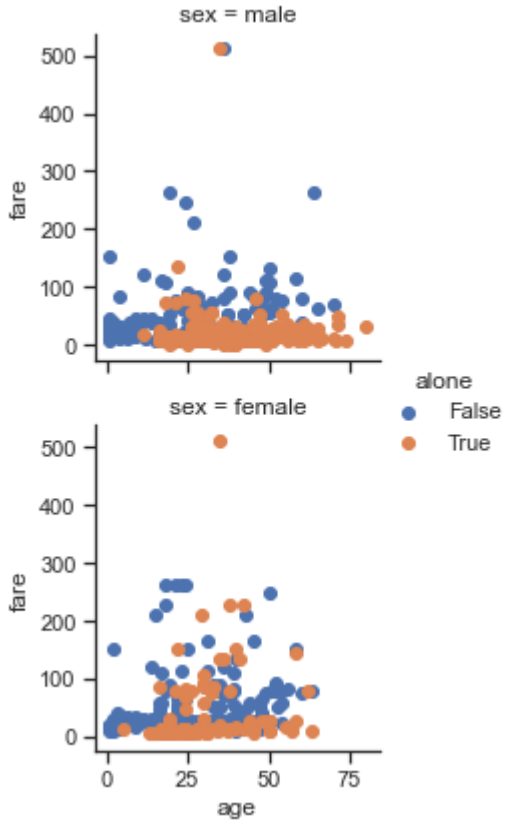
```
#count plot
import seaborn as sns
import matplotlib.pyplot as plt
sns.set_theme(style="ticks", color_codes=True)
titanic = sns.load_dataset("titanic")
p1=sns.countplot(x='sex', data=titanic, hue='class')
p1.set_title("Plot for Counting")
pltadd_callback.show()
```



In [3]:

```
# 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 [4]:

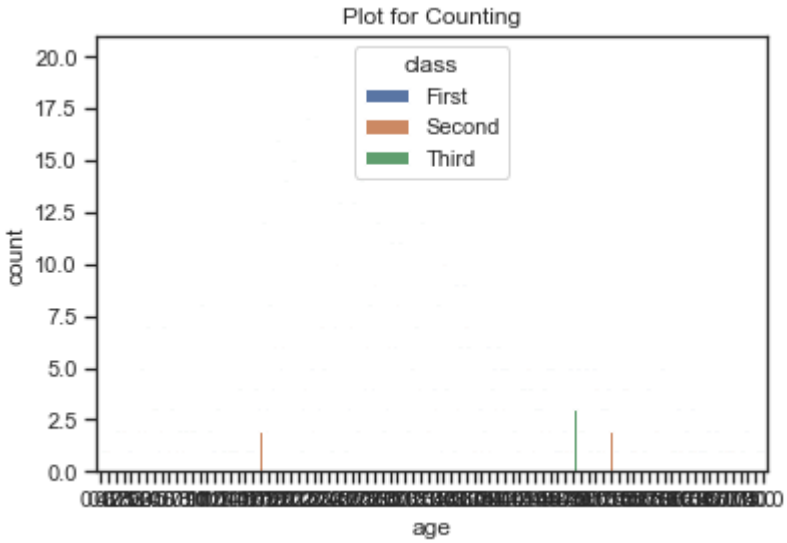
```
import seaborn as sns
titanic = sns.load_dataset("titanic")
titanic
```

Out[4]:

	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 [6]:
```
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='age', data=titanic, hue='class')
p1.set_title("Plot for Counting")
plt.show()
```



In [ ]:

In [ ]:

In [ ]:

In [ ]:

In [ ]:

In [ ]:

In [ ]: