In [1]:
```python
# BMI Calculator
```

In [2]:
```python
Greetings= input("Hi, can you please tell me your name? ")
Greetings
Mass= input("can you please tell me your weight in kg? ") #here weight is same as
Mass= float(Mass)
Height=input("can you please tell me your height in meter? ")
Height= float(Height)
BMI= Mass/Height**2 # BMI= MASS in kg/ square of height in meters
Answer=(Greetings, "your BMI is", BMI)
Answer
```

```
Hi, can you please tell me your name? Haseeb
can you please tell me your weight in kg? 70
can you please tell me your height in meter? 1.72
```

Out[2]: ('Haseeb', 'your BMI is', 23.661438615467823)

In [13]:
```python
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()
```
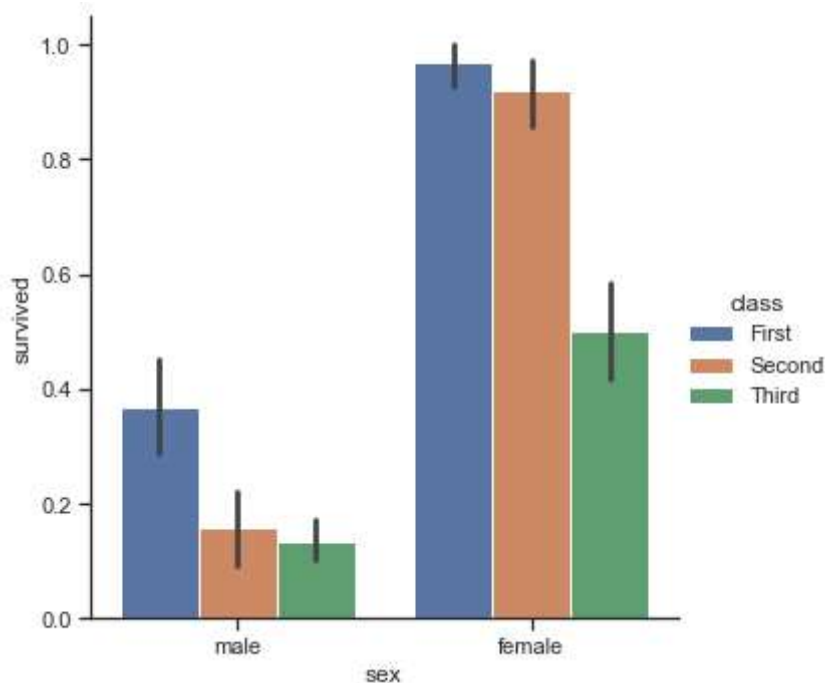
In [9]:
```python
# scatter plot
import seaborn as sns
import matplotlib.pyplot as plt
sns.set_theme(style="ticks", color_codes=True)

titanic=sns.load_dataset("titanic")
g=sns.FacetGrid(titanic, row="sex", hue= "alone")
g=(g.map(plt.scatter, "age", "fare").add_legend())
plt.show()
```
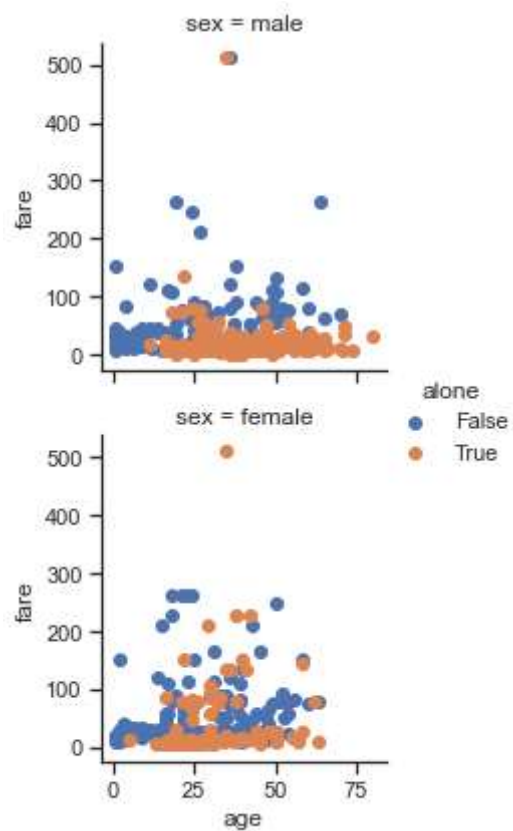
In [10]: `print(titanic)`

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

       who  adult_male deck  embark_town alive  alone
0      man        True  NaN  Southampton    no  False
1    woman       False    C    Cherbourg   yes  False
2    woman       False  NaN  Southampton   yes   True
3    woman       False    C  Southampton   yes  False
4      man        True  NaN  Southampton    no   True
..     ...         ...  ...          ...   ...    ...
886    man        True  NaN  Southampton    no   True
887  woman       False    B  Southampton   yes   True
888  woman       False  NaN  Southampton    no  False
889    man        True    C    Cherbourg   yes   True
890    man        True  NaN   Queenstown    no   True

[891 rows x 15 columns]
```
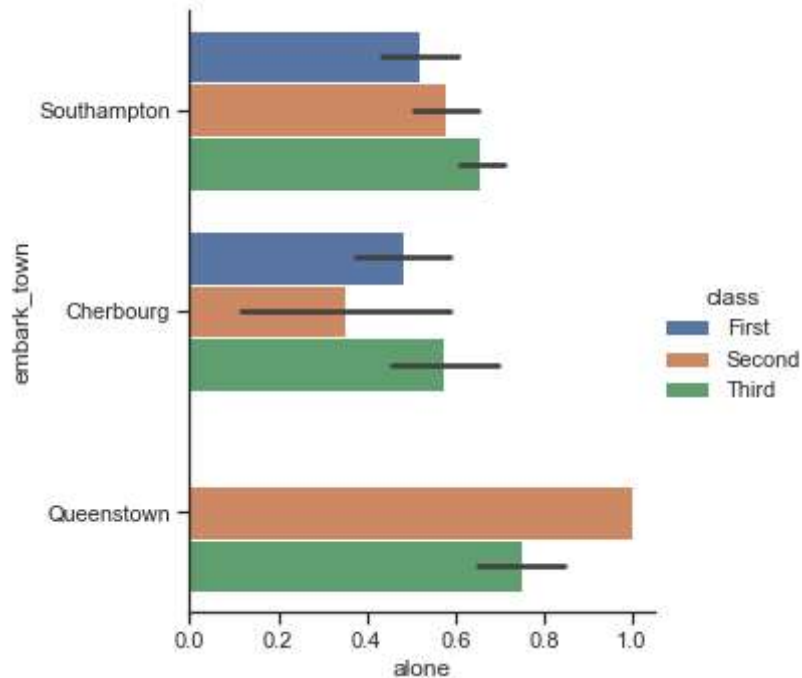
In [11]:
```python
import seaborn as sns
import matplotlib.pyplot as plt
sns.set_theme(style="ticks", color_codes=True)

titanic=sns.load_dataset("titanic")
sns.catplot(x="alone", y="embark_town", hue="class", kind="bar", data=titanic)
plt.show()
```

In [7]:
```python
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="alone", y="embark_town", kind="bar", data=titanic)
plt.show()
```