-1CALL LIBRARIES AND THEIR DATA

```
In [1]:
         import seaborn as sns
         sns.get_dataset_names()
         ['anagrams',
Out[1]:
          'anscombe',
          'attention',
          'brain networks',
          'car crashes',
          'diamonds',
          'dots',
          'dowjones',
          'exercise',
          'flights',
          'fmri',
          'geyser',
          'glue',
          'healthexp',
          'iris',
          'mpg',
          'penguins',
          'planets',
          'seaice',
          'taxis',
          'tips',
          'titanic']
```

-2COUNTPLOT

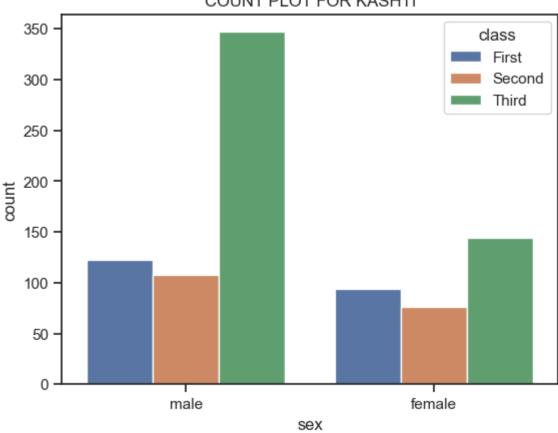
(

```
In [2]: # 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 graphs with 1 variable
        # p=sns.countplot(x="sex", data=kashti)
        # plot.show()
        # step-5 plot basic graphs 2 variable(count plot)
        p=sns.countplot(x="sex", data=kashti, hue="class")
        p.set_title("COUNT PLOT FOR KASHTI")
        plot.show()
```

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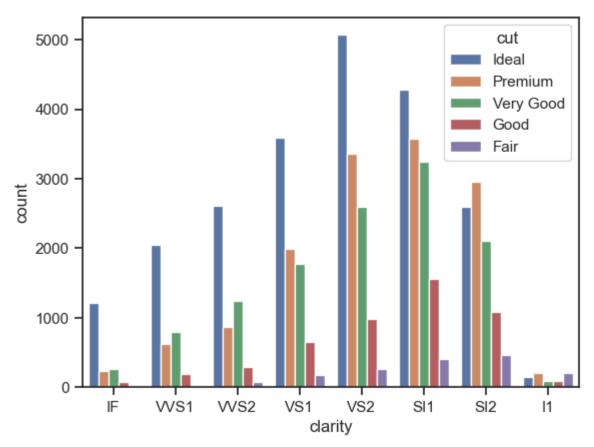
[891 rows x 15 columns]

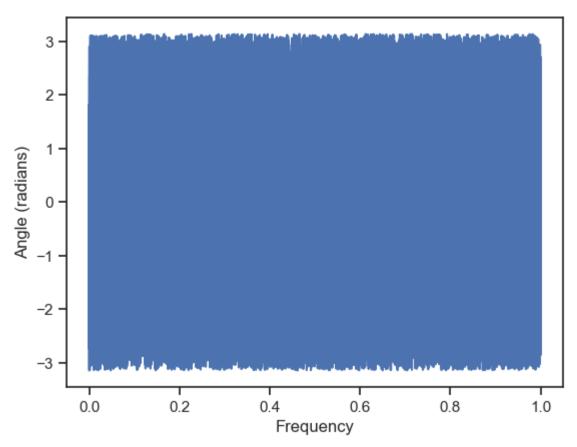
COUNT PLOT FOR KASHTI



```
import seaborn as sns
In [2]:
         import matplotlib.pyplot as plt
         sns.set_theme(style="ticks", color_codes=True)
         stones=sns.load_dataset("diamonds")
         print(stones)
         p=sns.countplot(x="clarity", data=stones, hue="cut")
         plot.show()
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                                                                                       3.64
```

[53940 rows x 10 columns]





```
import seaborn as sns
In [26]:
         import matplotlib.pyplot as plt
         sns.load dataset("diamonds")
         sns.set style("ticks")
         l=sns.countplot(x="color", data=stones)
         1.set_title("precious jwellery")
         plot.show()
         AttributeError
                                                    Traceback (most recent call last)
         ~\AppData\Local\Temp\ipykernel_2740\664984316.py in <module>
               5 l=sns.countplot(x="color", data=stones)
               6 l.set_title("precious jwellery")
         ---> 7 l.xlim(100)
               8 plot.show()
         AttributeError: 'AxesSubplot' object has no attribute 'xlim'
```

