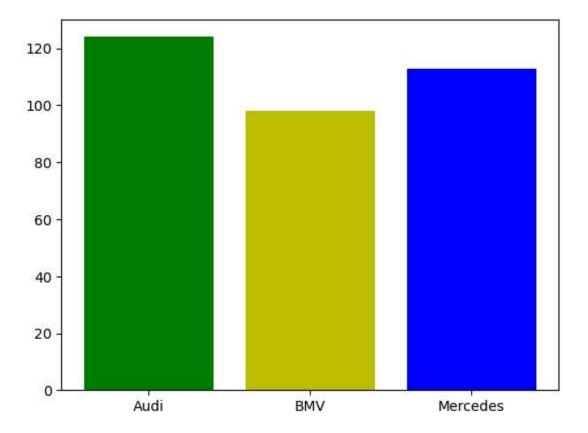
```
In [1]: import pandas as pd
         import matplotlib.pyplot as plt
         import seaborn as sns
 In [2]: data = pd.read_excel(r"E:\Nareshit\3.November Data Science\1 nov-\stats - 1\2.Funda
         data
 In [3]:
 Out[3]:
             Unnamed: 0 Graphs and tables for categorical variables Unnamed: 2
         0
                   NaN
                                                German car shop
                                                                       NaN
          1
                   NaN
                                                          NaN
                                                                       NaN
         2
                   NaN
                                                          NaN
                                                                  Frequency
         3
                   NaN
                                                          Audi
                                                                        124
         4
                   NaN
                                                          BMW
                                                                        98
                   NaN
                                                      Mercedes
                                                                        113
         6
                   NaN
                                                          Total
                                                                        335
 In [4]: data.info()
        <class 'pandas.core.frame.DataFrame'>
        RangeIndex: 7 entries, 0 to 6
        Data columns (total 3 columns):
         #
             Column
                                                           Non-Null Count Dtype
             -----
             Unnamed: 0
                                                           0 non-null
                                                                           float64
             Graphs and tables for categorical variables 5 non-null
                                                                           object
             Unnamed: 2
                                                                           object
                                                           5 non-null
        dtypes: float64(1), object(2)
        memory usage: 300.0+ bytes
 In [5]: data.columns
 Out[5]: Index(['Unnamed: 0', 'Graphs and tables for categorical variables',
                 'Unnamed: 2'],
                dtype='object')
In [19]: data_clean = data.rename(columns = {'Unnamed: 0' : 'None', 'Graphs and tables for c
In [20]: data
```



```
In []:
In [63]: categories=['Audi','BMV',' Mercedes']
frequency = [124, 98, 113]

plt.pie(frequency, labels=categories, startangle=140, autopct='%1.5f%%')
plt.show()
```

