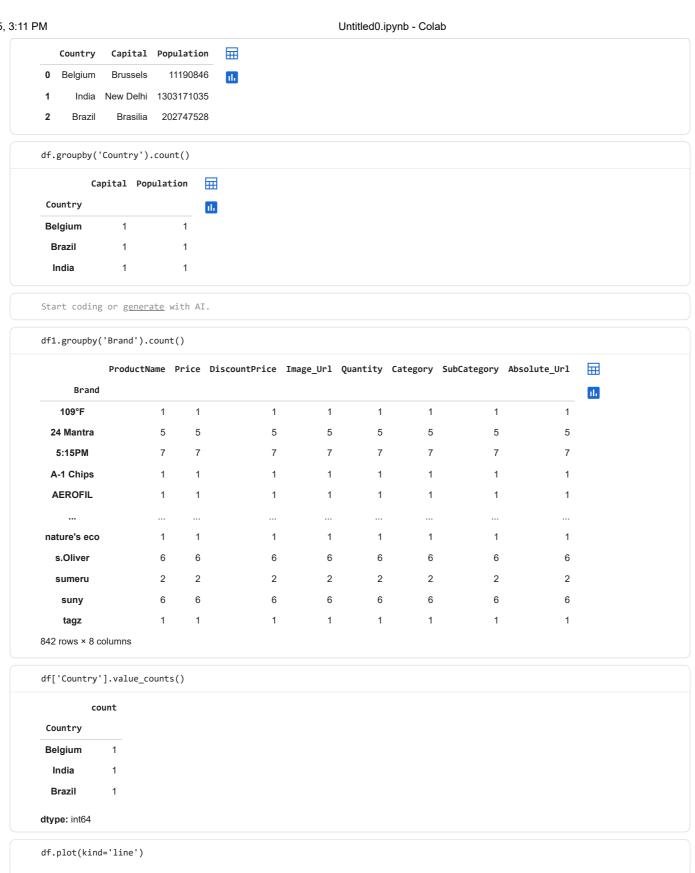
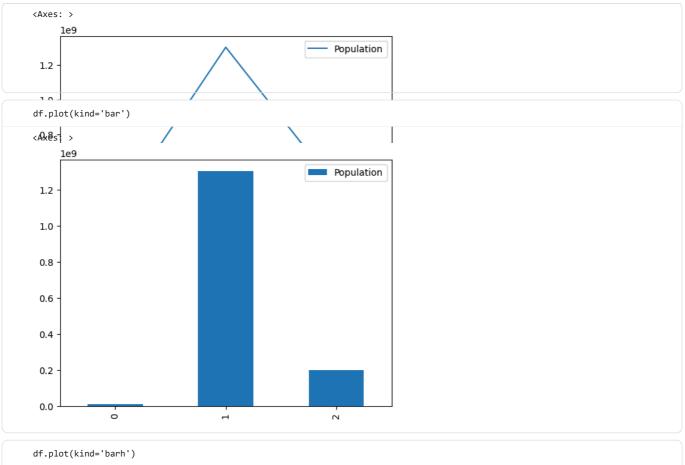
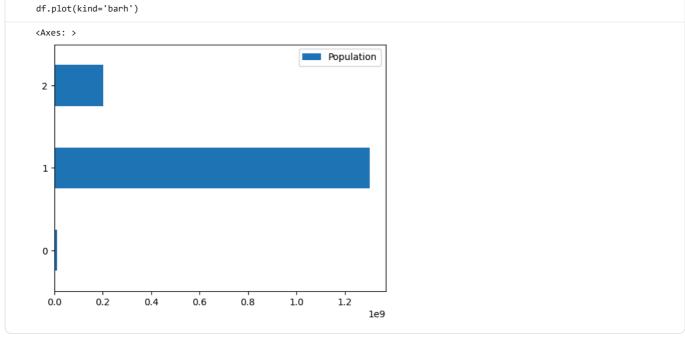
```
import pandas as pd
    data = {
        "Country": ["Belgium", "India", "Brazil"],
"Capital": ["Brussels", "New Delhi", "Brasilia"],
        "Population": [11190846, 1303171035, 202747528]
    }
    df
        Country
                  Capital Population
                                           0 Belgium
                  Brussels
                             11190846
                                           ıl.
           India New Delhi 1303171035
          Brazil
                    Brasilia
                             202747528
Next steps: ( Generate code with df )
                                    ( New interactive sheet )
    df1 = pd.read_csv("BigBasket.csv")
    df1
    Show hidden output
Next steps: ( Generate code with df1
                                       New interactive sheet
                                                                Generate code with df1
                                                                                          New interactive sheet
    df.head()
       Country
                  Capital Population
                                           0 Belgium
                   Brussels
                              11190846
                                           ıl.
           India New Delhi 1303171035
                    Brasilia
                             202747528
          Brazil
Next steps: Generate code with df
                                    New interactive sheet
    df.tail()
                                           \blacksquare
        Country
                  Capital Population
                               11190846
    0 Belgium
                   Brussels
           India
                New Delhi 1303171035
          Brazil
                   Brasilia
                             202747528
    df.sample()
        Country Capital Population
                                         \blacksquare
          Brazil Brasilia 202747528
    df.shape
    (3, 3)
    df.info()
    <class 'pandas.core.frame.DataFrame'>
    RangeIndex: 3 entries, 0 to 2
    Data columns (total 3 columns):
                      Non-Null Count Dtype
    # Column
    0 Country
                                       object
                     3 non-null
    1 Capital 3 non-null 2 Population 3 non-null
                     3 non-null
                                       object
                                       int64
    dtypes: int64(1), object(2)
    memory usage: 204.0+ bytes
    df.describe()
```

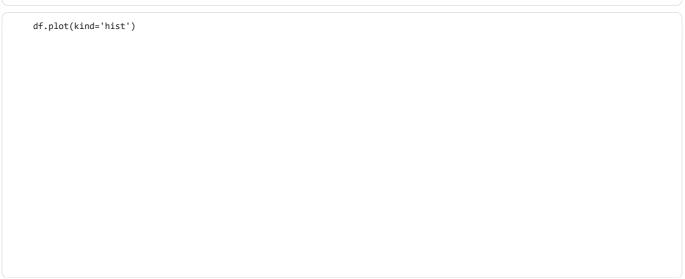
```
Population
                      Ш
count 3.000000e+00
                      th
 mean 5.057031e+08
 std 6.972372e+08
 min 1.119085e+07
 25% 1.069692e+08
 50% 2.027475e+08
 75% 7.529593e+08
 max 1.303171e+09
df.dtypes
  Country
           object
  Capital
           object
Population
            int64
dtype: object
df.columns
Index(['Country', 'Capital', 'Population'], dtype='object')
df.index
RangeIndex(start=0, stop=3, step=1)
df1["Price"]
      Price
     69.75
  0
  1
     174.35
  2
     34.87
  3
     69.74
  4
     174.37
8203 49.00
8204 399.00
8205 465.00
8206 799.00
8207 250.00
8208 rows × 1 columns
dtype: float64
df1.isnull().sum()/len(df1)
```

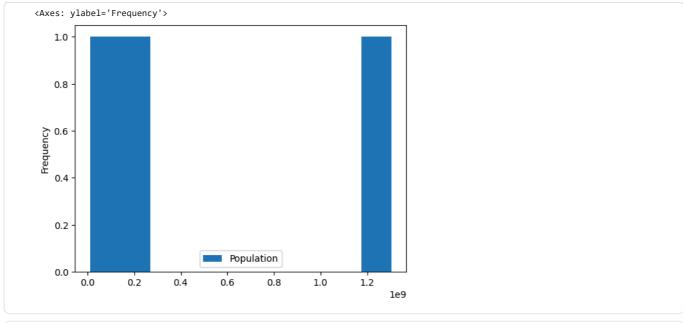
```
0
     ProductName 0.0
        Brand
                   0.0
        Price
                   0.0
    DiscountPrice 0.0
      Image_Url
                   0.0
       Quantity
                   0.0
       Category
                   0.0
     SubCategory
                  0.0
     Absolute_Url 0.0
    dtype: float64
   df.notnull()
        Country Capital Population
                                        \blacksquare
    0
           True
                    True
                                 True
                                        ıl.
           True
                    True
                                 True
    2
           True
                    True
                                 True
    df.dropna()
                                         \blacksquare
       Country
                  Capital Population
    0 Belgium
                  Brussels
                              11190846
          India New Delhi 1303171035
                            202747528
          Brazil
                   Brasilia
    df.fillna(value)
                                                Traceback (most recent call last)
   /tmp/ipython-input-654142765.py in <cell line: 0>()
    ----> 1 df.fillna(value)
   NameError: name 'value' is not defined
Next steps: (Explain error
    df.replace(1 , "one")
       Country Capital Population
                                         \blacksquare
    0 Belgium
                  Brussels
                              11190846
                                          ıl.
    1
          India New Delhi 1303171035
          Brazil
                   Brasilia
                            202747528
   df.rename(columns={"old": "new"})
        Country
                  Capital Population
                                         0 Belgium
                  Brussels
                              11190846
                                          ıl.
          India New Delhi 1303171035
                   Brasilia
                           202747528
          Brazil
    df.drop_duplicates()
```

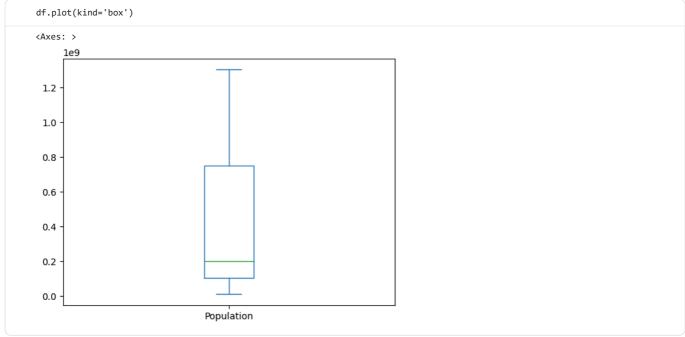


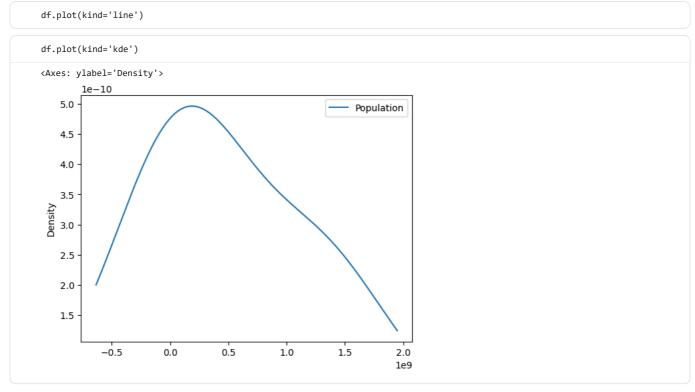












df.plot(kind='pie', y='Population', labels=df['Country'], autopct='%1.1f%%')
<Axes: ylabel='Population'>