```
[ ] import pandas as pd
    import matplotlib.pyplot as plt
    import seaborn as sns
```

```
[ ] df=pd.read_csv('currency.csv')
```

```
print(df.head())#view the first few rows
```

```
  State Code  State Name Country Code
0        BDS  Badakhshan           AF
1        BDG     Badghis           AF
2        BGL     Baghlan           AF
3        BAL       Balkh           AF
4        BAM      Bamyan           AF
```

```
[ ] print(df.describe ())# summary statistics
```

```
       Code Symbol                      Name
count   163    163                       163
unique  163    107                       163
top     AED      $  United Arab Emirates d
freq      1     28                         1
```

```
[ ] # Handling missing values
    df.dropna(inplace=True)
```

```
print(df.info())#view date types and missing values
```

```
[ ] <class 'pandas.core.frame.DataFrame'>
    RangeIndex: 163 entries, 0 to 162
    Data columns (total 3 columns):
     #   Column  Non-Null Count  Dtype
    ---  ------  --------------  -----
     0   Code    163 non-null    object
     1   Symbol  163 non-null    object
     2   Name    163 non-null    object
    dtypes: object(3)
    memory usage: 3.9+ KB
    None
```

```
[ ] # Handling duplicates
    df.drop_duplicates(inplace=True)
```

```
[ ] #Handling outliers
    #Use domain knowledge or statiscal methods to identify and deal with outliers
```

```
[ ] #Example visualizations
    print(df.columns)
```

```
    Index(['State Code', 'State Name', 'Country Code'], dtype='object')
```

```
[ ] #Histrogram
    plt.hist(df['State Code'], bins=30, color='blue', alpha=0.5, label='State Code')
    plt.hist(df['State Name'], bins=30, color='red', alpha=0.5, label='State Name')
```

```
plt.hist(df['State Name'], bins=30, color='red', alpha=0.5, label='State Name')
plt.hist(df['Country Code'], bins=30, color='green', alpha=0.5, label='Country Code')

# Add labels and title
plt.xlabel('Value')
plt.ylabel('Frequency')
plt.title('Histogram of Three Features')

# Add legend
plt.legend()

# Show the plot
plt.show()
```