Exp-19

Aim: To display the dimensions or shape of the world alcohol consumption dataset. Also extract the columns from the dataset

pseudocode:

- import the pandas library
- load the world alcohol consumption dataset into Dataframe
- use the shape attribute to get the dimensions of the dataset
- use the columns attribute to get columns name
- Display the shape and column names

sample input:

```
data = { 'country': ['canada', 'usa', 'mexico'],
         'year': [1986, 1986, 1986],
         'Alcoholtype': ['Beer', 'Wine', 'Spirits'],
         'Consumption': [5.0, 2.5, 3.5] }
```

sample output:

Dimensions of the Dataset [rows, columns] : (3,4)

Column names: ['country', 'year', 'Alcoholtype', 'Consumption']

Result:

This code was been executed successfully and got the output

```python
import pandas as pd

# Creating a sample DataFrame with 5 rows
data = {
    'Country': ['USA', 'Canada', 'Brazil', 'India', 'Germany'],
    'Alcohol_Consumption': [8.5, 7.2, 6.8, 4.3, 11.1],
    'Population': [331, 38, 213, 1380, 83],  # In millions
    'GDP': [21.43, 1.64, 2.055, 2.87, 4.8]  # In trillion USD
}

df = pd.DataFrame(data)

# Display the shape (dimensions) of the dataset
print("Dimensions of the dataset:", df.shape)

# Extract the column names
print("Column names:", df.columns.tolist())
```

```
Dimensions of the dataset: (5, 4)
Column names: ['Country', 'Alcohol_Consumption', 'Population', 'GDP']
```