Project

Use pokemon_data.csv and perform all the functions on it.

1. Import the libraries
2. Import the dataset

Data Exploration

3. Display the data
4. Display duplicate rows
5.Delete duplicate rows
6. Rename “#” column to “S. No.”
7. Display first and last five rows.
8. Display datatype of the columns
9. Find duplicate values of column named S. No.
10. Find unique values in all the columns
11. Replace ‘VenusaurMega Venusaur' to 'Venusaur’ in Name column 12. Display only three columns Type1, Type2 , HP
13.Print each rows from 0 to 4 by using location function.
14. Print 4^{th} value from each column
15. Print all the values of Name column with index value.
16. Display all the rows where Type 1 = Grass
17. Print value of first row and first column (1,1)
18. Sort values of Type 1', 'HP column.
19. Make changes to the data by adding column from 4 to 10 and store it in column named Total in the dataset.

Data Cleaning

20. Plot a scatter graph to show outliers in HP column.
21. Remove the outliers from the dataset
22. Display the number of null values in each columns

23. Replace the null value with frequently occuring value in that column. 24. Download the cleaned data.

Extra Questions

Use Energy.csv to perform the below operations

1. Import the libraries
2. Import the dataset
3. Display the data
4. Display all the column name using for loop.
5. create an array using below values

#our focus countries
focus_countries = ['United States', 'India', 'Russia', 'United Kingdom', 'China'] 6. Display all the data of the focus countries.

7. Return data for only years greater than or equal to 2000

8. Get column names with the word consumption in them and display it.

9. Identify the column names (or keys) in dataset that contain the substring 'consumption' and display it.

10. Append country and year column with the column names (or keys) in dataset that contain the substring 'consumption' and display it.

11. Group by country and sum the values in the remainig columns and display it. 12. Download the csv file.