Creating own dataset

Aim:

To create a dataset using the appropriate data values.

Algorithm:

1.Import pandas.

2.Prepare your data.

3. Create a data frame.

4. Save the Data frame as a csv file.

Program:

```
import pandas as pd

data = {

    'Place_ID': list(range(1, 26)),

    'Name': [

        'Eiffel Tower', 'Taj Mahal', 'Great Wall of China', 'Machu Picchu', 'Mount Fuji',

        'Niagara Falls', 'Grand Canyon', 'Colosseum', 'Santorini', 'Maldives',

        'Christ the Redeemer', 'Petra', 'Sydney Opera House', 'Everest Base Camp', 'Statue of Liberty',

        'Pyramids of Giza', 'Banff National Park', 'Angkor Wat', 'Venice', 'Serengeti',

        'Dubai Marina', 'Swiss Alps', 'Phuket', 'Cancun', 'Annapurna Region'

    ],

    'Country': [
```

```
        'France', 'India', 'China', 'Peru', 'Japan',

        'Canada', 'USA', 'Italy', 'Greece', 'Maldives',

        'Brazil', 'Jordan', 'Australia', 'Nepal', 'USA',

        'Egypt', 'Canada', 'Cambodia', 'Italy', 'Tanzania',

        'UAE', 'Switzerland', 'Thailand', 'Mexico', 'Nepal'

    ],

    'Type': [

        'Monument', 'Historical', 'Heritage Site', 'Archaeological', 'Mountain',

        'Natural Wonder', 'Canyon', 'Heritage', 'Island', 'Beach',

        'Monument', 'Archaeological', 'Cultural', 'Trekking', 'Monument',

        'Historical', 'National Park', 'Temple', 'Canal City', 'Wildlife',

        'Modern City', 'Mountain', 'Beach', 'Coastal', 'Mountain'

    ],

    'Average_Rating': [

        4.8, 4.9, 4.7, 4.8, 4.7,

        4.9, 4.8, 4.6, 4.8, 4.9,

        4.8, 4.7, 4.6, 4.9, 4.5,

        4.8, 4.9, 4.7, 4.8, 4.8,

        4.7, 4.9, 4.8, 4.7, 4.9

    ],

    'Entry_Fee': [

        25, 30, 40, 35, 10,
```

```python
        15, 20, 25, 15, 0,

        20, 30, 50, 45, 25,

        50, 20, 25, 10, 30,

        40, 50, 10, 20, 50

    ],

    'Best_Season': [

        'Apr-Jun', 'Oct-Mar', 'Sep-Nov', 'May-Sep', 'Apr-Jun',

        'Jun-Sep', 'Mar-May', 'Apr-Jul', 'May-Oct', 'Dec-Apr',

        'May-Aug', 'Mar-May', 'Sep-Feb', 'Oct-Jan', 'Apr-Jun',

        'Oct-Mar', 'Jun-Aug', 'Nov-Feb', 'Apr-Sep', 'Jun-Oct',

        'Nov-Mar', 'Dec-Mar', 'Nov-Feb', 'Mar-Jun', 'Oct-Dec'

    ]

}
df = pd.DataFrame(data)


df.to_csv('tourist_destinations.csv', index=False)


print("CSV file 'tourist_destinations.csv' created successfully with 25 records.")
```

[5]:

	Place_ID	Name	Country	Type	Average_Rating	Entry_Fee	Best_Season
0	1	Eiffel Tower	France	Monument	4.8	25	Apr-Jun
1	2	Taj Mahal	India	Historical	4.9	30	Oct-Mar
2	3	Great Wall of China	China	Heritage Site	4.7	40	Sep-Nov
3	4	Machu Picchu	Peru	Archaeological	4.8	35	May-Sep
4	5	Mount Fuji	Japan	Mountain	4.7	10	Apr-Jun
5	6	Niagara Falls	Canada	Natural Wonder	4.9	15	Jun-Sep
6	7	Grand Canyon	USA	Canyon	4.8	20	Mar-May
7	8	Colosseum	Italy	Heritage	4.6	25	Apr-Jul
8	9	Santorini	Greece	Island	4.8	15	May-Oct
9	10	Maldives	Maldives	Beach	4.9	0	Dec-Apr
10	11	Christ the Redeemer	Brazil	Monument	4.8	20	May-Aug
11	12	Petra	Jordan	Archaeological	4.7	30	Mar-May
12	13	Sydney Opera House	Australia	Cultural	4.6	50	Sep-Feb
13	14	Everest Base Camp	Nepal	Trekking	4.9	45	Oct-Jan
14	15	Statue of Liberty	USA	Monument	4.5	25	Apr-Jun
15	16	Pyramids of Giza	Egypt	Historical	4.8	50	Oct-Mar
16	17	Banff National Park	Canada	National Park	4.9	20	Jun-Aug
17	18	Angkor Wat	Cambodia	Temple	4.7	25	Nov-Feb
18	19	Venice	Italy	Canal City	4.8	10	Apr-Sep
20	21	Dubai Marina	UAE	Modern City	4.7	40	Nov-Mar
21	22	Swiss Alps	Switzerland	Mountain	4.9	50	Dec-Mar
22	23	Phuket	Thailand	Beach	4.8	10	Nov-Feb
23	24	Cancun	Mexico	Coastal	4.7	20	Mar-Jun
24	25	Annapurna Region	Nepal	Mountain	4.9	50	Oct-Dec

```
df.to_csv('tourist_destinations.csv', index=False)
print("CSV file 'tourist_destinations.csv' created successfully with 25 records.")
```

CSV file 'tourist_destinations.csv' created successfully with 25 records.

Result:

Thus the code for creating our own dataset has been created successfully using python and output are verified.