```
----- Data Analyzer Menu -----
1. Input Data
2. Display Summary
3. Factorial
4. Filter Data
5. Sort Data
6. Return Multiple Values
7. Exit
Enter choice: 1
Enter 1 for 1D list or 2 for 2D list: 2
Enter number of rows: 3
Enter row 1: 21 22 23
Enter row 2: 31 32 33
Enter row 3: 41 42 43
Data stored successfully!

----- Data Analyzer Menu -----
1. Input Data
2. Display Summary
3. Factorial
4. Filter Data
5. Sort Data
6. Return Multiple Values
7. Exit
Enter choice: 2
Total Elements : 9
Minimum : 21
Maximum : 43
Sum : 288
Average : 32.0
Total Elements : 9
Minimum : 21
Maximum : 43
Sum : 288
Average : 32.0
```

```
----- Data Analyzer Menu -----
1. Input Data
2. Display Summary
3. Factorial
4. Filter Data
5. Sort Data
6. Return Multiple Values
7. Exit
Enter choice: 3
Enter number: 5
Factorial: 120

----- Data Analyzer Menu -----
1. Input Data
2. Display Summary
3. Factorial
4. Filter Data
5. Sort Data
6. Return Multiple Values
7. Exit
Enter choice: 4
Enter threshold: 23
Filtered Data: [23, 31, 32, 33, 41, 42, 43]

----- Data Analyzer Menu -----
1. Input Data
2. Display Summary
3. Factorial
4. Filter Data
5. Sort Data
6. Return Multiple Values
7. Exit
Enter choice: 5
Sorted 2D Data:
[21, 22, 23]
[31, 32, 33]
[41, 42, 43]
```

```
----- Data Analyzer Menu -----
1. Input Data
2. Display Summary
3. Factorial
4. Filter Data
5. Sort Data
6. Return Multiple Values
7. Exit
Enter choice: 6
Min: 21
Max: 43
Average: 32.0

----- Data Analyzer Menu -----
1. Input Data
2. Display Summary
3. Factorial
4. Filter Data
5. Sort Data
6. Return Multiple Values
7. Exit
Enter choice: 7
Thank you! Program ended. have a good day.
```