

```
==== Welocme to the Data Analyzer and Transformer program ===
```

```
1.Input Data
2.Display Data Summary (Built-in Functions)
3.Calculate Factorial (Recursion)
4.Filter Data (Lambda Function)
5.Sort Data
6.Display Dataset Statistics (Return Multiple Values)
7.Exit program
Enter choice: 1
Enter 1 for 1D list or 2 for 2D list: 1
Enter values: 10 20 30 40 50 60
```

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```
1.Input Data
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5.Sort Data
6.Display Dataset Statistics (Return Multiple Values)
7.Exit program
Enter choice: 2
Count: 6
Min: 10
Max: 60
Sum: 210
Average: 35.0
```

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```
1.Input Data
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5.Sort Data
6.Display Dataset Statistics (Return Multiple Values)
7.Exit program
Enter choice: 3
Enter number: 5
120
```

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==== Welocme to the Data Analyzer and Transformer program ===
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```
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4.Filter Data (Lambda Function)
5.Sort Data
6.Display Dataset Statistics (Return Multiple Values)
```

```
4.Filter Data (Lambda Function)
5.Sort Data
6.Display Dataset Statistics (Return Multiple Values)
7.Exit program
Enter choice: 4
Enter threshold: 30
[40, 50, 60]

==== Welocme to the Data Analyzer and Transformer program ===

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4.Filter Data (Lambda Function)
5.Sort Data
6.Display Dataset Statistics (Return Multiple Values)
7.Exit program
Enter choice: 5
[10, 20, 30, 40, 50, 60]

==== Welocme to the Data Analyzer and Transformer program ===

1.Input Data
2.Display Data Summary (Built-in Functions)
3.Calculate Factorial (Recursion)
4.Filter Data (Lambda Function)
5.Sort Data
6.Display Dataset Statistics (Return Multiple Values)
7.Exit program
Enter choice: 6
Min: 10
Max: 60
Average: 35.0

==== Welocme to the Data Analyzer and Transformer program ===

1.Input Data
2.Display Data Summary (Built-in Functions)
3.Calculate Factorial (Recursion)
4.Filter Data (Lambda Function)
5.Sort Data
6.Display Dataset Statistics (Return Multiple Values)
7.Exit program
Enter choice: 7

Thank you for using Data Analyzer and Transformer Program. Goodbye !
```