

```
Welcome to the NumPy Analyzer!
1. Create a Numpy Array
2. Perform Mathematical Operations
3. Combine Arrays
4. Search, Sort, or Filter Arrays
5. Compute Aggregates and Statistics
6. Exit
Enter your choice: 1
Select array dimension (1, 2, 3): 2
Enter the number of rows: 2
Enter the number of columns: 3
Enter 6 elements separated by space: 10 20 30 40 50 60
Array created successfully:
[[10 20 30]
 [40 50 60]]
```

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Enter your choice: 2
Choose operation: 1.Add 2.Subtract 3.Multiply 4.Divide
Enter choice: 1
Enter same-size array elements: 5 5 5 5 5 5
Result: [[15 25 35]
 [45 55 65]]
```

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```
Enter your choice: 3
```

```
Enter another array elements to combine: 1 2 3 4 5 6
```

```
Combined Array:
```

```
[[10 20 30]
 [40 50 60]
 [ 1  2  3]
 [ 4  5  6]]
```

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```
Enter your choice: 4
```

```
Choose: 1.Search 2.Sort 3.Filter
```

```
2
```

```
Sorted Array:
```

```
[[10 20 30]
 [40 50 60]]
```

```
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```
Enter your choice: 5
```

```
Choose: 1.Sum 2.Mean 3.Median 4.Std 5.Variance
```

```
3
```

```
Median: 35.0
```

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```
Enter your choice: 6
```

```
Thank you for using the NumPy Analyzer! Goodbye!
```

```
PS C:\Users\yash\OneDrive\Desktop\python programs.lab> []
```