

### Example : 3

```
Enter your choice: 1
Result:
[[ 5.  9.]
 [ 8. 11.]]
Enter your choice: 8
Invalid choice.
Enter your choice: 6
Rank of A = 1
Rank of B = 2
Enter your choice: 5
Determinant of A (if square):
0.0
Determinant of B (if square):
-8.0000000000000002
Enter your choice: 3
Result:
[[34. 46.]
 [17. 23.]]
Enter your choice: 4
Transpose of A:
[[2. 1.]
 [4. 2.]]
Transpose of B:
[[3. 7.]
 [5. 9.]]
Enter your choice: 7
Exiting...
```

=== MATRIX OPERATIONS TOOL ===

```
Matrix A
Enter number of rows: 2
Enter number of columns : 2
Enter the matrix row by row(seperated by space:)
Row 1: 2 4
Row 2: 1 2
```

```
Matrix B
Enter number of rows: 2
Enter number of columns : 2
Enter the matrix row by row(seperated by space:)
Row 1: 3 5
Row 2: 7 9
```

```
Matrix A:
[[2. 4.]
 [1. 2.]]
```

```
Matrix B:
[[3. 5.]
 [7. 9.]]
```

```
Choose an operation:
1. Add (A + B)
2. Subtract (A - B)
3. Multiply (A x B)
4. Transpose (A^T, B^T)
5. Determinant (A or B)
6. Rank (A, B)
7. Exit
```