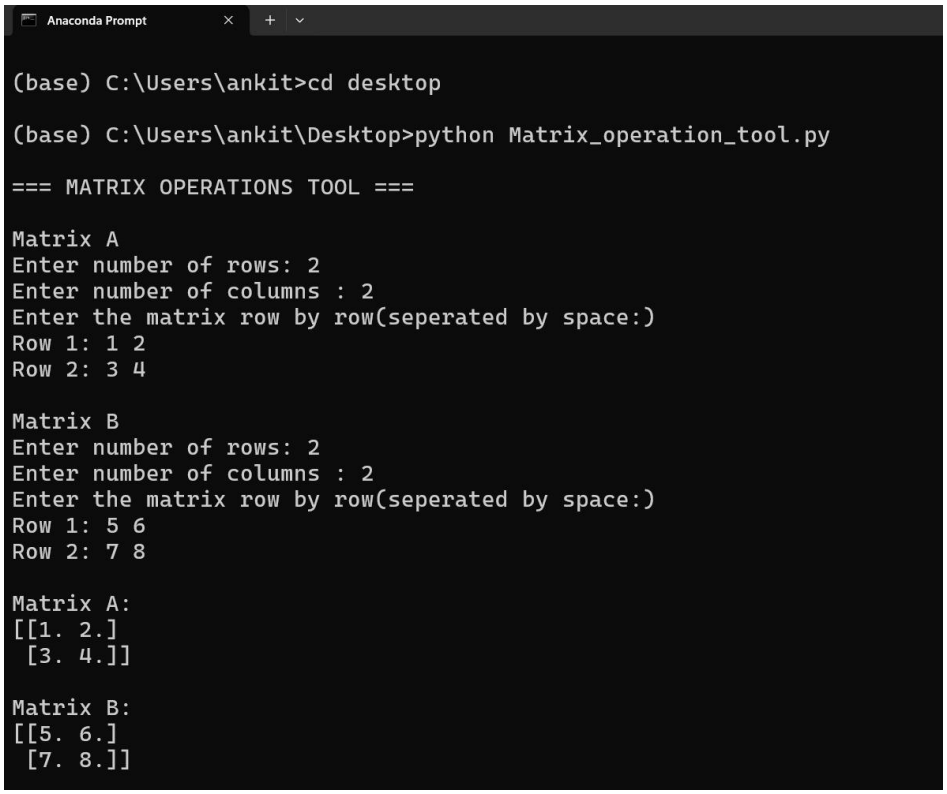
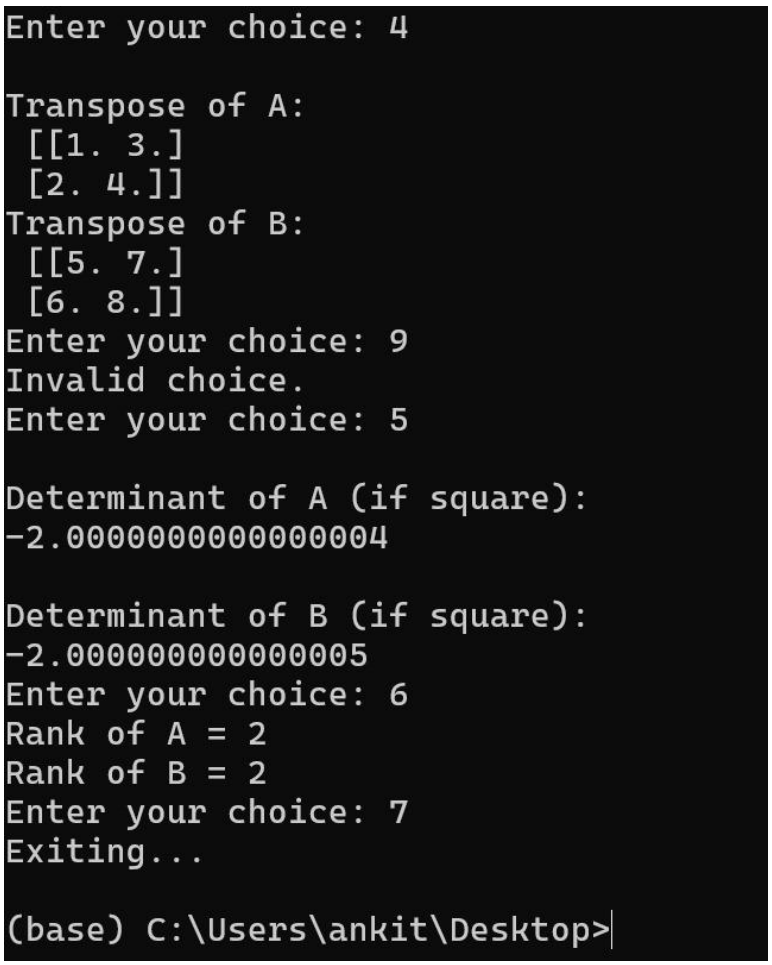
Example : 1


Anaconda Prompt
(base) C:\Users\ankit>cd desktop
(base) C:\Users\ankit\Desktop>python Matrix_operation_tool.py
=== 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: 1 2
Row 2: 3 4
Matrix B
Enter number of rows: 2
Enter number of columns : 2
Enter the matrix row by row(seperated by space:)
Row 1: 5 6
Row 2: 7 8
Matrix A:
[[1. 2.]
[3. 4.]]
Matrix B:
[[5. 6.]
[7. 8.]]


Enter your choice: 4
Transpose of A:
[[1. 3.]
[2. 4.]]
Transpose of B:
[[5. 7.]
[6. 8.]]
Enter your choice: 9
Invalid choice.
Enter your choice: 5
Determinant of A (if square):
-2.0000000000000004
Determinant of B (if square):
-2.000000000000005
Enter your choice: 6
Rank of A = 2
Rank of B = 2
Enter your choice: 7
Exiting...
(base) C:\Users\ankit\Desktop>

```
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
Enter your choice: 1

Result:
 [[ 6.  8.]
 [10. 12.]]
Enter your choice: 2

Result:
 [[-4. -4.]
 [-4. -4.]]
Enter your choice: 3

Result:
 [[19. 22.]
 [43. 50.]]
Enter your choice: 4

Transpose of A:
 [[1. 3.]
 [2. 4.]]
```