V

TASK 1

```cpp
#include <iostream>
using namespace std;

int main() {
    int numbers[3];
    int maxnum=0;
    for (int i = 0; i < 3; i++) {
          cout << "Enter number: ";
        cin >> numbers[i];
    }
    for (int i = 0; i < 3; i++) {
        if(numbers[i]>maxnum)
           maxnum = numbers[i];
    }
    cout << "The maximum number is: " << maxnum << endl;
    return 0;
}

```

```
Enter number: 1
Enter number: 2
Enter number: 3
The maximum number is: 3

--------------------------------
Process exited after 33.33 seconds with return value 0
Press any key to continue . . .
```

```cpp
#include <iostream>
using namespace std;
int main() {
    int rows, columns;
     int matrix[100][100];
    cout << "Enter number of rows: ";
    cin >> rows;
    cout << "Enter number of columns: ";
    cin >> columns;
    cout << "Enter matrix elements:"<<endl;
    for (int i = 0; i < rows; i++) {
        for (int j = 0; j < columns; j++) {
            cin >> matrix[i][j];
        }
    }
      cout <<"Matrix:"<<endl;
   for (int i = 0; i < rows; i++) {
        for (int j = 0; j < columns; j++) {
            cout << matrix[i][j] << " "; }
            cout<<endl;
        }
    cout <<"Reversed Matrix:"<<endl;
    for (int i = rows - 1; i >= 0; i--) {
        for (int j = columns - 1; j >= 0; j--) {
            cout << matrix[i][j] << " ";
        }
        cout << endl;
    }
    return 0;
}

```

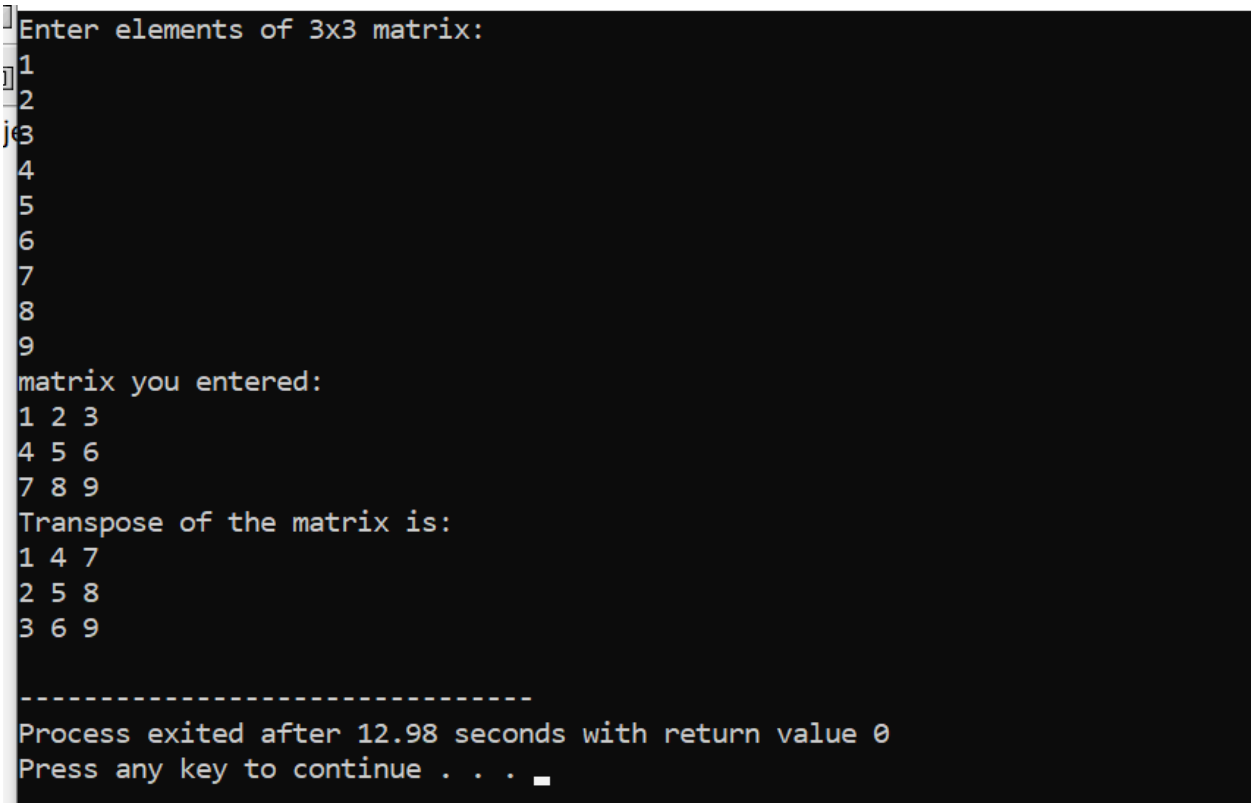
```
Enter number of rows: 2
Enter number of columns: 2
Enter matrix elements:
1
2
3
4
Matrix:
1 2
3 4
Reversed Matrix:
4 3
2 1
Matrix after setting last column to 0:
1 0
3 0

--------------------------------
Process exited after 7.294 seconds with return value 0
Press any key to continue . . .
```

```cpp
#include <iostream>
using namespace std;

int main() {
    int matrix[3][3], transpose[3][3];
    cout << "Enter elements of 3x3 matrix:"<<endl;
    for(int i = 0; i < 3; i++){
        for(int j = 0; j < 3; j++){
            cin >> matrix[i][j];
        }
    }
    cout<<"matrix you entered:"<<endl;
     for(int i = 0; i < 3; i++){
        for(int j = 0; j < 3; j++){
            cout <<matrix[i][j] << " ";
        }
        cout << endl;
    }
    for(int i = 0; i < 3; i++){
        for(int j = 0; j < 3; j++){
            transpose[j][i] = matrix[i][j];
        }
    }
    cout << "Transpose of the matrix is:"<<endl;
    for(int i = 0; i < 3; i++){
        for(int j = 0; j < 3; j++){
            cout << transpose[i][j] << " ";
        }
        cout << endl;
    }

    return 0;
}
```


Enter elements of 3x3 matrix:
1
2
3
4
5
6
7
8
9
matrix you entered:
1 2 3
4 5 6
7 8 9
Transpose of the matrix is:
1 4 7
2 5 8
3 6 9

Process exited after 12.98 seconds with return value 0
Press any key to continue . . .