

1 D4 - TEKKOM B

Tugas



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Source Code

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

int main() {
    system("cls");
    int a[10][10], transpose[10][10], row, column, i, j;

    cout << "masukkan baris dan kolom matrix: ";
    cin >> row >> column;

    cout << "\nMasukkan element matrix: " << endl;

    for (int i = 0; i < row; ++i) {
        for (int j = 0; j < column; ++j) {
            cout << "element=" << i + 1 << j + 1 << ": ";
            cin >> a[i][j];
        }
    }

    cout << "\nMasukkan Matrix: " << endl;
    for (int i = 0; i < row; ++i) {
        for (int j = 0; j < column; ++j) {
            cout << " " << a[i][j];
            if (j == column - 1)
                cout << endl << endl;
        }
    }

    for (int i = 0; i < row; ++i)
        for (int j = 0; j < column; ++j) {
            transpose[j][i] = a[i][j];
        }

    cout << "\nTranspose matrix: " << endl;
    for (int i = 0; i < column; ++i)
        for (int j = 0; j < row; ++j) {
            cout << " " << transpose[i][j];
            if (j == row - 1)
                cout << endl << endl;
        }

    return 0;
}
```

Output

```
PROBLEMS  OUTPUT  TERMINAL  DEBUG CONSOLE

masukkan baris dan kolom matrix: 2 3

Masukkan element matrix:
element=11: 1
element=12: 2
element=13: 3
element=21: 4
element=22: 5
element=23: 6

Masukkan Matrix:
1 2 3

4 5 6

Transpose matrix:
1 4

2 5

3 6

PS D:\SMT 2\PD 2\Prak2> |
```