



```
#include <stdio.h>
void main() {
    int a[5][5], n, m, i, j;
    clrscr();
    printf("\nEnter the size of the matrix in the
    format rows & columns ");
    scanf("%d %d", &m, &n);
    printf("\n\nEnter the matrix elements in row-wise
    order\n");
    for (i = 0; i < m; i++)
        for (j = 0; j < n; j++)
            scanf("%d", &a[i][j]);
    printf("\n\nThe matrix before transpose is\n");
    for (i = 0; i < m; i++) {
        printf("\n");
        for (j = 0; j < n; j++)
            printf("%d\t", a[i][j]);
    }
    printf("\n\nThe matrix after transpose is\n");
    for (i = 0; i < n; i++) {
        printf("\n");
        for (j = 0; j < m; j++)
            printf("%d\t", a[j][i]);
    }
    getch();
}
```