

```
    /***   Program to Print Transpose of a Matrix   ***/

#include <stdio.h>

main()
{
    int a[10][10], i, j, row, col;

    printf("\nEnter no. of rows & columns: ");
    scanf("%d %d", &row, &col);

    printf("\nEnter elements of Matrix:\n");
    for (i=0; i<row; i++)
        for (j=0; j<col; j++)
            scanf("%d", &a[i][j]);

    printf("\n\nElements of Matrix:\n\n");
    for (i=0; i<row; i++)
    {
        for (j=0; j<col; j++)
            printf("\t%d", a[i][j]);
        printf("\n\n");
    }

    printf("\n\nTranspose of Matrix:\n\n");
    for (i=0; i<col; i++)
    {
        for (j=0; j<row; j++)
            printf("\t%d", a[j][i]);
        printf("\n\n");
    }

    getch();
}
```