

Program

Step 1: Start

Step 2: Input r, c

Step 3: Display enter matrix element

```
for (i = 0; i < r; i++)  
    for (j = 0; j < c; j++)  
        Input a[i][j]
```

Step 4: Display entered matrix

```
for (i = 0; i < r; i++)  
    for (j = 0; j < c; j++)  
        output a[i][j]  
        if (j == c - 1)  
            output \n
```

Step 5: for (i = 0; i < r; i++)
for (j = 0; j < c; j++)
t[i][j] = a[i][j]

Step 6: Display transpose of matrix

```
for (i = 0; i < c; i++)  
    for (j = 0; j < r; j++)  
        output t[i][j]  
        if (j == r - 1)  
            output \n
```

Step 7: Stop

Flowchart

