Algorithm

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Step 1: Start

Step 2: Input r, c

Step 3: Display "enter matrix elements"

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

Step 4: print "entered matrix is"

Step 5: "Output a[i][j]

```
if (j==(-1))
output "\n"
```

Step 6: for(i=0; i<r; i++)

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

Step 7: Display "Transpose of matrix"

repeat for(i=0; i<c; i++)

Repeat for(i=0; j<r; i++)

```
o/p a[i][j]
if (j==r-1)
o/p "\n"
```

Step 8: Stop.

Flowchart.