```
1    #include <stdio.h>
2    int main()
3  ▼ {
4        int a[10][10], t[10][10], r, c, i, j;
5        printf("Enter rows and columns: ");
6        scanf("%d %d\n", &r, &c);
7        printf("%d %d\n",r,c);
8        printf("Enter matrix elements:\n");
9        for (i = 0; i < r; i++)
10           for (j = 0; j < c; j++)
11  ▼          {
12                 printf("Enter element a%d%d: ", i + 1, j + 1
13                 scanf("%d\n",&a[i][j]);
14                 printf("%d\n",a[i][j]);
15           }
16       printf("\nEntered matrix: \n");
17       for (i = 0; i < r; i++)
18           for (j = 0; j < c; j++)
19  ▼          {
20                 printf("%d  ", a[i][j]);
21                 if (j == c - 1)
22                     printf("\n");
23           }
24       for (i = 0; i < r; ++i)
25  ▼        {
26             for (j = 0; j < c; ++j)
27  ▼          {
28                 t[j][i] = a[i][j];
29             }
30           }
31       printf("\nTranspose of the matrix:\n");
32       for (i = 0; i < c; i++)
33  ▼        {
34             for (j = 0; j < r; j++)
35  ▼          {
36                 printf("%d  ", t[i][j]);
37                 if (j == r - 1)
38                     printf("\n");
39         }
40       }
41       return 0;
42  }
43
```

Open File

Custom Input

```
2 2
5 6 4 8
```

Status Successfully executed   **Date** 2020-06-13 13:35:52   T

Input

```
2 2
5 6 4 8
```

Output

```
Entered matrix:
5   6
4   8

Transpose of the matrix:
5   4
6   8
```