```c
C 36_q71.c > ...
1    // Q71: Read and print a matrix.
2
3    /*
4    Sample Test Cases:
5    Input 1:
6    2 2
7    1 2
8    3 4
9    Output 1:
10   1 2
11   3 4
12
13   */
14
15   #include<stdio.h>
16   int main(){
17   int r,c,i,j;
18   scanf("%d%d",&r,&c);
19   int a[r][c];
20   for(i=0;i<r;i++)
21   for(j=0;j<c;j++)
22   scanf("%d",&a[i][j]);
23   for(i=0;i<r;i++){
24   for(j=0;j<c;j++)
25   printf("%d ",a[i][j]);
26   printf("\n");
27   }
28   return 0;
29   }
30
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\36_q71.c
PS C:\Users\drago\OneDrive\Desktop\C H.W> ./a.exe
2 2
1 2
3 4
1 2
3 4
PS C:\Users\drago\OneDrive\Desktop\C H.W>
```

```c
1    // Q74: Find the transpose of a matrix.
2
3    /*
4    Sample Test Cases:
5    Input 1:
6    2 3
7    1 2 3
8    4 5 6
9    Output 1:
10   1 4
11   2 5
12   3 6
13
14   */
15
16   #include<stdio.h>
17   int main(){
18   int r,c,i,j;
19   scanf("%d%d",&r,&c);
20   int a[r][c];
21   for(i=0;i<r;i++)
22   for(j=0;j<c;j++)
23   scanf("%d",&a[i][j]);
24   for(i=0;i<c;i++){
25   for(j=0;j<r;j++)
26   printf("%d ",a[j][i]);
27   printf("\n");
28   }
29   return 0;
30   }
31
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\37_q74.c
PS C:\Users\drago\OneDrive\Desktop\C H.W> ./a.exe
2 3
1 2 3
4 5 6
1 4
2 5
3 6
PS C:\Users\drago\OneDrive\Desktop\C H.W>
```