

```

2
3  /*
4  Sample Test Cases:
5  Input 1:
6  3 3
7  1 2 3
8  4 5 6
9  7 8 1
10 Output 1:
11 False
12
13 Input 2:
14 3 3
15 1 2 3
16 4 5 6
17 7 8 9
18 Output 2:
19 True
20
21 */
22
23 #include<stdio.h>
24 int main(){
25     int r,c,i,j,flag=1;
26     scanf("%d%d",&r,&c);
27     int a[r][c];
28     for(i=0;i<r;i++)
29     for(j=0;j<c;j++)
30     scanf("%d",&a[i][j]);
31     if(r!=c){
32         printf("False");
33         return 0;
34     }
35     for(i=0;i<r;i++){
36         for(j=i+1;j<r;j++){
37             if(a[i][i]==a[j][j]){
38                 flag=0;
39                 break;
40             }
41         }
42         if(flag==0)break;
43     }
44     if(flag)printf("True");
45     else printf("False");
46     return 0;
47 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\39_q77.c

PS C:\Users\drago\OneDrive\Desktop\C H.W> ./a.exe

3 3

1 2 3

4 5 6

7 8 1

False

PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\39_q77.c

PS C:\Users\drago\OneDrive\Desktop\C H.W> ./a.exe

3 3

1 2 3

4 5 6

7 8 9

True

PS C:\Users\drago\OneDrive\Desktop\C H.W> █

C 35_q69.c

C 35_q70.c

C 36_q71.c

C 36_q72.c

C 37_q73.c

C 37_q74.c

C 38_q75.c

C 39_q78.c > (T) main()

1 // Q78: Find the sum of main diagonal elements for a square matrix.

2

3 /*

4 Sample Test Cases:

5 Input 1:

6 3 3

7 1 2 3

8 4 5 6

9 7 8 9

10 Output 1:

11 15

12

13 */

14

15 #include<stdio.h>

16 int main(){

17 int n,i,sum=0;

18 scanf("%d%d",&n,&n);

19 int a[n][n];

20 for(i=0;i<n;i++)

21 for(int j=0;j<n;j++)

22 scanf("%d",&a[i][j]);

23 for(i=0;i<n;i++)

24 sum+=a[i][i];

25 printf("%d",sum);

26 return 0;

27 }

28

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\drago\OneDrive\Desktop\C H.W> gcc .\39_q78.c

PS C:\Users\drago\OneDrive\Desktop\C H.W> ./a.exe

3 3

1 2 3

4 5 6

7 8 9

15

PS C:\Users\drago\OneDrive\Desktop\C H.W>