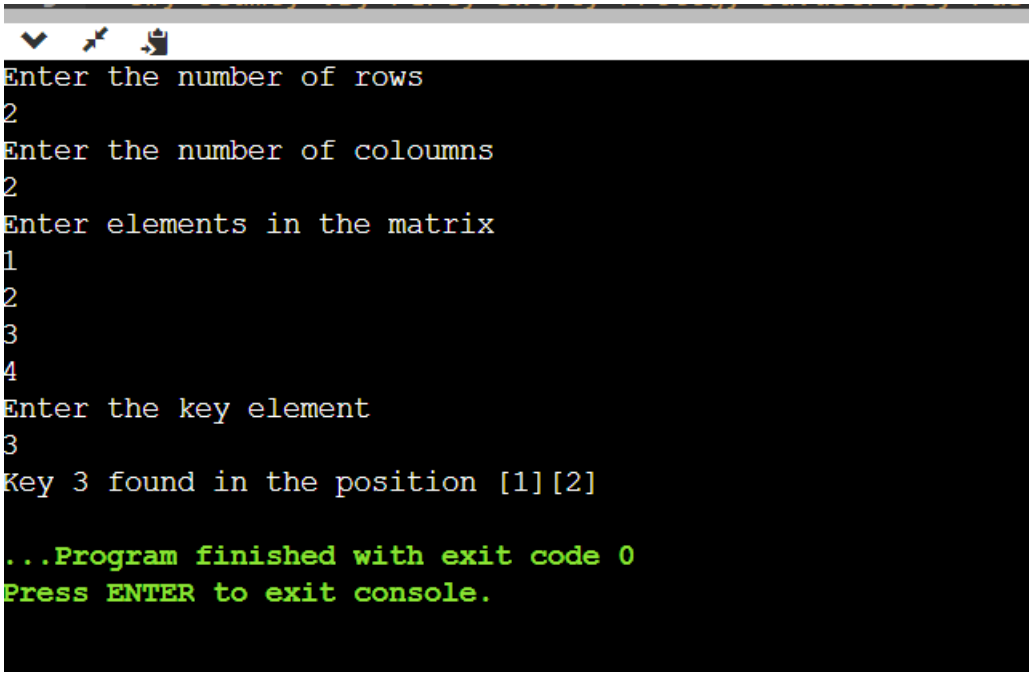
3. Implement a C program to check if a given element is present in a 2D array with a user defined function.

```
#include <stdio.h>
void find_key(int a[10][10], int key,int m,int n);
void main()
{
   int a[10][10];
   int i,j,n,m;
   int key;
   printf("Enter the number of rows\n");
   scanf("%d",&m);
   printf("Enter the number of coloumns\n");
   scanf("%d",&n);
   printf("Enter elements in the matrix\n");
   for(j=0;j<n;j++)
   {
     for(i=0;i<m;i++)
     {
      scanf("%d",&a[i][j]);
     }
   }
   printf("Enter the key element\n");
   scanf("%d",&key);
   find_key(a , key,m,n);

}
```

```
void find_key(int a[10][10],int key,int m,int n)
{
   int i,j;
   for(j=0;j<n;j++)
   {
      for(i=0;i<m;i++)
      {
            if(key==a[i][j])
            printf("Key %d found in the position [%d][%d]",key,i+1,j+1);
      }
   }
```

OUTPUT:




```
}
```