

```

#include <stdio.h>
#include <stdlib.h>
#define max 100
void lsearch(int a[][max],int key,int n,int m);
void main()
{
    int a[max][max];
    int n,m,i,j,key;
    printf("read n:");
    scanf("%d",&n);
    printf("read m:");
    scanf("%d",&m);
    printf("read the elements:");
    for(i=0;i<n;i++)

    {
        for(j=0;j<m;j++){
            scanf("%d",&a[i][j]);

        }

    }

    printf("enter the key element:");
    scanf("%d",&key);
    lsearch(a,key,n,m);

}
void lsearch(int a[][max],int key,int n,int m)
{
    int i,j;
    for(i=0;i<n;i++)

```

```
{  
    for(j=0;j<m;j++){  
        if(a[i][j]==key)  
        {  
  
            printf("element found ");  
            exit(0);  
  
        }  
  
    }  
  
    printf("element not found");  
  
}
```

Output:

```
read n:2  
read m:2  
read the elements:1  
5  
3  
6  
enter the key element:3  
element found
```