```c
/*array deletion*/

#include<stdio.h>

int main()

{
        int n,i,key,location,found;
        printf("enter the value of n\n");
        scanf("%d",&n);
        int a[n];
        printf("enter the values of array\n");
        for(i=0;i<n;i++)
        {
                scanf("%d",&a[i]);
        }
        printf("your array elements are\n");
        for(i=0;i<n;i++)
        {
                printf("%d\n",a[i]);
        }
        printf("enter the value of element to be deleted\n");
        scanf("%d",&key);
        for(i=0;i<n;i++)
        {

                if(a[i]==key)
                {
                        found=1;
                        location=i;
                        break;
                }
                else
                {
```

```c
                found=0;
            }


    }
    if(found==0)
    printf("SEARCH UNSUCCESSFUL:element not found,deletion is not possible\n");
    else
    while(location<n)
    {
            a[location]=a[location+1];
            location++;
    }
    printf("after deletion the array is\n");
    for(i=0;i<n-1;i++)
    {
            printf("%d\n",a[i]);
    }
    return 0;
}
```



```
C:\Users\HP\OneDrive\Desktop\collage work 3rd sem\array delection(key).exe
enter the value of n
6
enter the values of array
1
2
3
4
5
6
your array elements are
1
2
3
4
5
6
enter the value of element to be deleted
3
after deletion the array is
1
2
4
5
6

------------------------------
Process exited after 10.95 seconds with return value 0
Press any key to continue . . .
```