

/*array searching for multiple occurrence of same element*/

```
#include<stdio.h>
```

```
void search(int a1[],int b1[],int n);
```

```
int main()
```

```
{
```

```
    int n,i,k;
```

```
    printf("enter the value of n\n");
```

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

```
    int a[n],b[k];
```

```
    printf("enter the values of array\n");
```

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

```
    {
```

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

```
    }
```

```
    search(a,b,n);
```

```
    return 0;
```

```
}
```

```
void search(int a1[],int b1[],int n)
```

```
{
```

```
    int i,key,j=0,count=0;
```

```
    printf("enter the value of key\n");
```

```
    scanf("%d",&key);
```

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

```
    {
```

```
        if(a1[i]==key)
```

```
        {
```

```
            b1[j]=i;
```

```
            j++;
```

```
            count++;
```

```
        }
```

```
    }
```

```

if(count>0)
{
    printf("%d found at location:\n",key);
    for(j=0;j<count;j++)
    {
        printf("%d\n",b1[j]);
    }
}
else
{
    printf("key don not found\n");
}
}

```

```

C:\Users\HP\OneDrive\Desktop\collage work 3rd sem\array searching of multiple element by func.exe
enter the value of n
5
enter the values of array
1
2
3
2
5
enter the value of key
2
2 found at location:
1
2
3
-----
Process exited after 10.21 seconds with return value 0
Press any key to continue . . .

```