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

```c
#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++;
                }
        }
```

```c
            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");

            }

}
```