

```
//this program is a linear search
#include<stdio.h>
//#define n 100
int main()
{
    int arr[100], search,n,c;
    printf("enter the n number \n");
    scanf("%d", &n);
    printf("enter the %d number \n", n);

    for (c=0; c<n;c++)
    {
        scanf("%d",&arr[c]);
    }
    printf("Enter the number which you want to search\n");
    scanf("%d", &search);
    for(c=0;c<n; c++)
    {
        if(arr[c]==search)
        {
            printf("%d is found in location %d",search,c+1);
            break;
        }
    }
    if(c==n)
    printf("%d= searching data is not found\n", search);

    return 0;
}
```