

8.coding :-

```
#include<stdio.h>

int main()
{
    int a[20],i,x,n;
    printf("how many elements?");
    scanf("%d",&n);
    printf("enter the array elements:");
    for(i=0;i<n;i++)
        scanf("%d",&a[i]);
    printf("enter the element to search:");
    scanf("%d",&x);
    for(i=0;i<n;i++)
        if(a[i]==x)
            break;
    if(i<n)
        printf("enter found at index %d",i);
    else
        printf("element not found");
    return 0;
}
```

Output :-

