```c
//*linear search using array
#include<stdio.h>
int main()
{
        int n,i,c,j;
        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("enter the value for search\n");
        scanf("%d",&c);
        for(j=0;j<n;j++)
        {
                if(c==a[j])

    printf("%d",j+1);
        break;
        }


        return 0;


}
```

```
enter the value of n
5
enter the values of array
10
20
30
40
50
enter the value for search
40
4
--------------------------------
Process exited after 19.08 seconds with return value 0
Press any key to continue . . .
```