

## //Linear Search

```
#include <iostream>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    int n;
```

```
    cout<<"Enter size of array"<<endl;
```

```
    cin>>n;
```

```
    int arr[n],key,i,flag=0;
```

```
    cout<<"Enter key of array"<<endl;
```

```
    cin>>key;
```

```
        cout<<"Enter Elements of array"<<endl;
```

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

```
        cin>>arr[i];
```

```
    }
```

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

```
if(arr[i]==key){  
    cout<<"Element found at index "<<i<<endl;  
    flag=1;  
    break;  
}  
}  
if(flag=0){  
    cout<<"Element not found" <<endl;  
  
}  
}
```