

PSEUDOCODE :-

```
function search(array, k)
  for i in 0 to array.length
    if array element is equal to k
      return i
    if array element is greater than k
      return i
```

```
int search(int arr[], int n, int key)
{
  for(int i=0; i<n; i++)
  {
    if(arr[i] == key)
      return i;
    if(arr[i] < key)
      return i;
  }
}
```

TIME COMPLEXITY :- $O(N)$

SPACE COMPLEXITY :- $O(1)$