



Linear Search

Time complexity - $O(n)$
Space complexity - $O(1)$

Pseudocode

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

if (arr(i) == target)

{ print (Element is present,
i);

}

}

print (Element is not present);

Advantages

- ↳ Simple to understand & implement
- ↳ useful in every scenario of an array
 - sorted
 - unsorted
- ↳ No additional memory/space

Disadvantages

- n — very very high (huge datasets)
- ↳ Time required is very very high