

In this example, we will implement a linear search with a for loop.

We are searching for an **i** (index) in the array that matches the element (**5**):

```
let arr = [1,2,3,4,5,6,7,8,9];

function linearSearch(arr, elem) {
  for(let i = 0; i < arr.length; i++) {
    if(arr[i] === elem) {
      return i;
    }
  }
  return -1;
}

console.log(linearSearch(arr, 5))
```

...when we look at the console log, it gives us an index of **4**, which corresponds to element **5**.