

Q1 : in this array answer the following : (using array methods only)

```
const numbers = [2,3,-1,6.5,-17,55,12];
```

1- use an array method to give this Expected result :

```
sorted array is : -17,-1,2,3,6.5,12,55  
> |
```

2- use an array method to give this Expected result :

```
index : 0 and value is : 2  
index : 1 and value is : 3  
index : 2 and value is : -1  
index : 3 and value is : 6.5  
index : 4 and value is : -17  
index : 5 and value is : 55  
index : 6 and value is : 12
```

3- use an array method to give this Expected result :

```
sum is : 60.5  
>
```

4- use an array method to give this Expected result :

```
▶ (7) [4, 6, -2, 13, -34, 110, 24]
```

5- use an array method to give this Expected result :

```
◀ ▶ (5) [2, 3, 6.5, 55, 12]
```

6- check if every element is bigger than 0 or not

7- check if only single element is bigger than 0 or not

- question 2 at the next page

Q2) what will (this) keyword will give in this cases :

1-

```
console.log(this); // in the main
```

2-

```
function test(){  
  console.log(this);  
}  
test()
```

3-

```
<button id="click">click</button>
```

```
let click = document.getElementById("click");  
click.onclick = () => {  
  console.log(this);  
};
```

4-

```
<button id="click">click</button>
```

```
let click = document.getElementById("click");  
click.onclick = function () {  
  console.log(this);  
};
```

5-

```
const obj = {  
  name : "ahmed",  
  test : function(){  
    console.log(this);  
  }  
}  
obj.test()
```

6-

```
const obj = {  
  name : "ahmed",  
  test : ()=>{  
    console.log(this);  
  }  
}  
obj.test()
```

7-

```
const obj = {  
  name : "ahmed",  
  test : ()=>{  
    let test2 = ()=>{  
      console.log(this);  
    }  
    test2()  
  }  
}  
obj.test()
```

8-

```
const obj = {  
  name : "ahmed",  
  test : function (){  
    let test2 = ()=>{  
      console.log(this);  
    }  
    test2()  
  }  
}  
obj.test()
```