

Practical-9

AIM: Demonstrate Class, Properties, Methods and Objects

Source Code:

```
<!DOCTYPE html>

<html>

<body>

<p>Click the button to loop through the array and display each element:</p>

<button onclick="myFunction()">Try it</button>

<p id="demo"></p>

<script>

const arr = ["aaaaa", "bbbb", "cccc"];function

myFunction() {

    let text = ""; arr.forEach((fruit) =>

    {

        text += fruit + "<br>";

    });

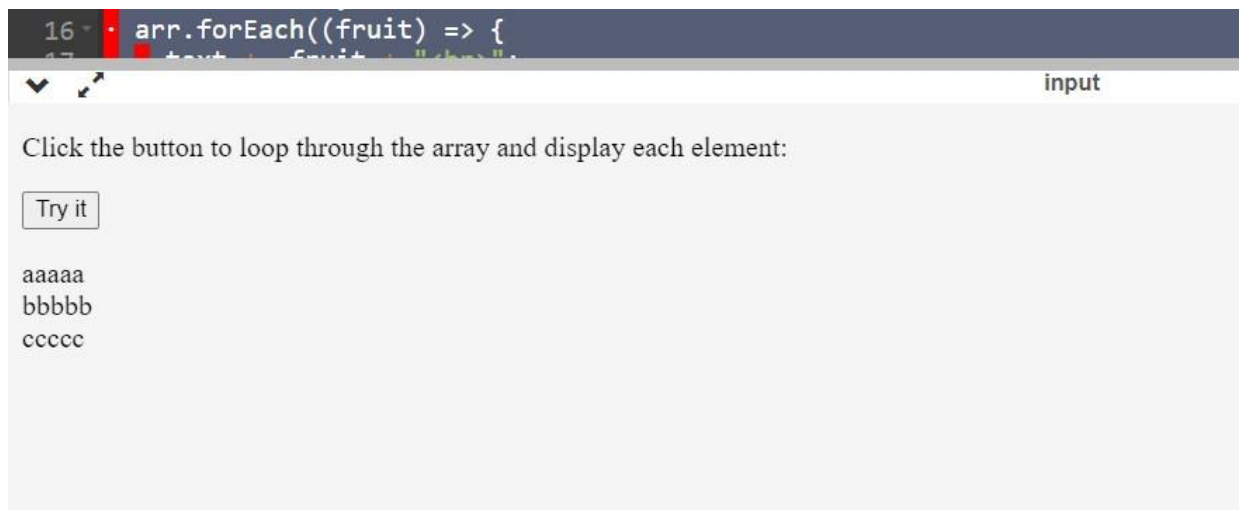
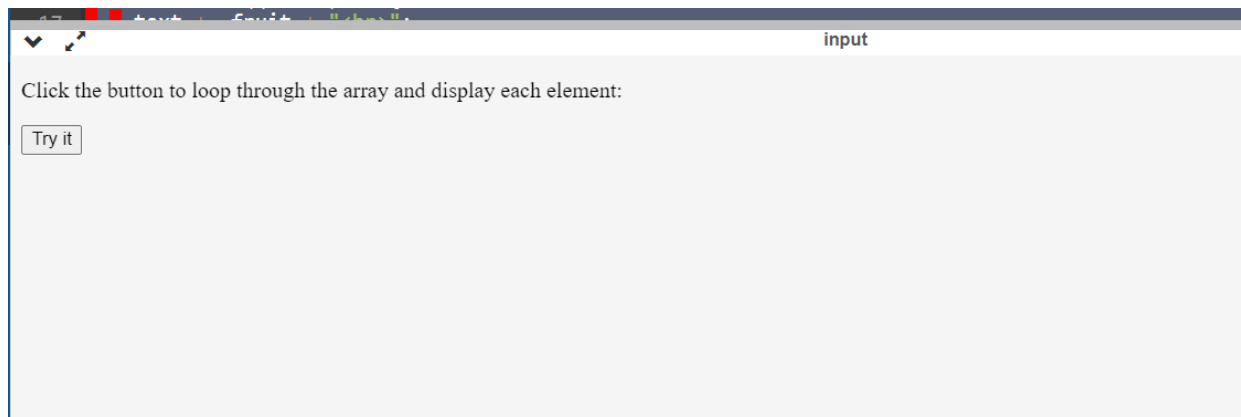
    document.getElementById("demo").innerHTML = text;

}

</script>

</body>

</html>
```

Output:

AIM: map(),find(),filter()**Source Code:**

```
<!DOCTYPE html>

<html>

<body>

<p>Click the button to create a new array by doubling each element in the original
array:</p>

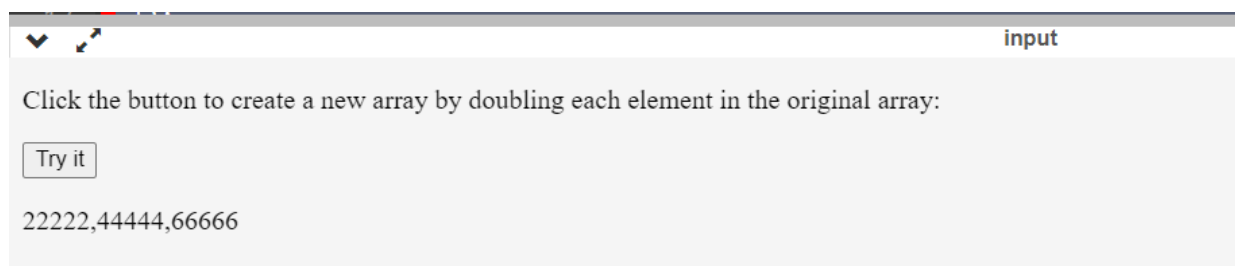
<button onclick="myFunction()">Try it</button>

<p id="demo"></p>

<script>
const arr = [11111, 22222, 33333];
function myFunction() {
  const newArr = arr.map((num) => {
    return num * 2;
  });
  document.getElementById("demo").innerHTML = newArr;
}
</script>

</body>

</html>
```

Output:

AIM: •Find();

Source Code:

```
<!DOCTYPE html>

<html>

<body>

<p>Click the button to find the first number in the array that is greater than 3:</p>

<button onclick="myFunction()">Try it</button>

<p id="demo"></p>

<script>

const arr = [11111, 22222, 33333, 44444, 55555];

function myFunction() {

  const foundNum = arr.find((num) => {

    return num > 3;

  });

  document.getElementById("demo").innerHTML = foundNum;

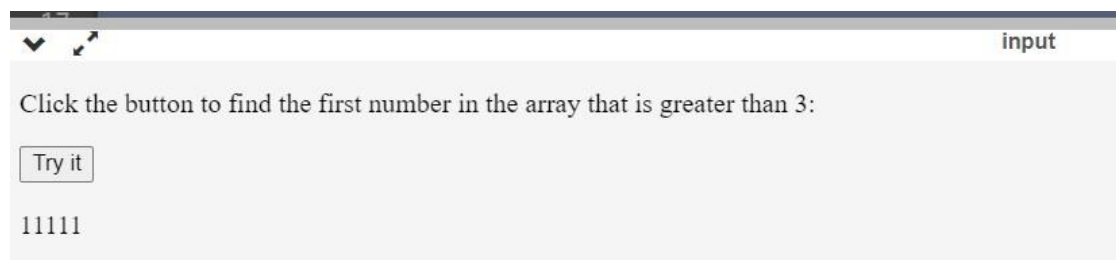
}

</script>

</body>

</html>
```

Output:



AIM: reduce()**Source Code:**

```
<!DOCTYPE html>

<html>

<body>

<p>Click the button to find the sum of all numbers in the array:</p>

<button onclick="myFunction()">Try it</button>

<p id="demo"></p>

<script>

const arr = [11111, 22222, 33333, 44444,55555];

function myFunction() {

    const sum = arr.reduce((total, num) => {

        return total + num;

    });

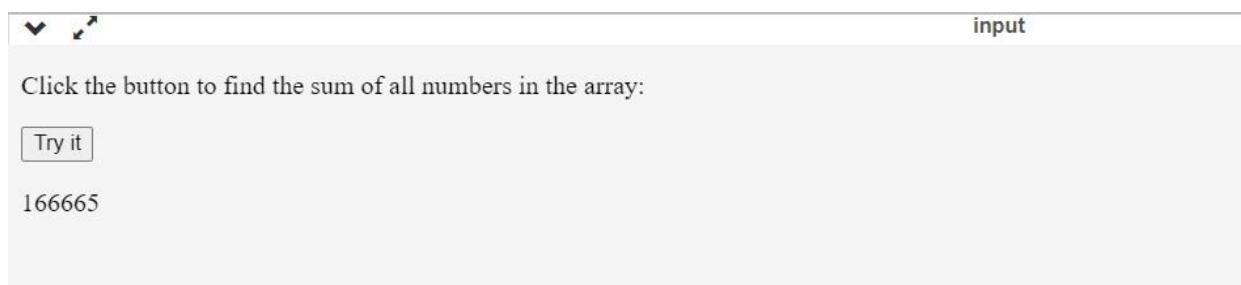
    document.getElementById("demo").innerHTML = sum;

}

</script>

</body>

</html>
```

Output:

AIM: call(), apply(), bind()**Source Code:**

```
<!DOCTYPE html>

<html>

<body>

<p>Click the buttons to see the differences between call(), apply(), and bind():</p>

<button onclick="callExample()">call()</button>

<button onclick="applyExample()">apply()</button>

<button onclick="bindExample()">bind()</button>

<p id="demo"></p>

<script>

const person = {

  firstName: "parita",

  lastName: "kakadiya"

};

function fullName() {

  return this.firstName + " " + this.lastName;

}

function callExample() {

  const result = fullName.call(person);

  document.getElementById("demo").innerHTML = result;

}

function applyExample() {

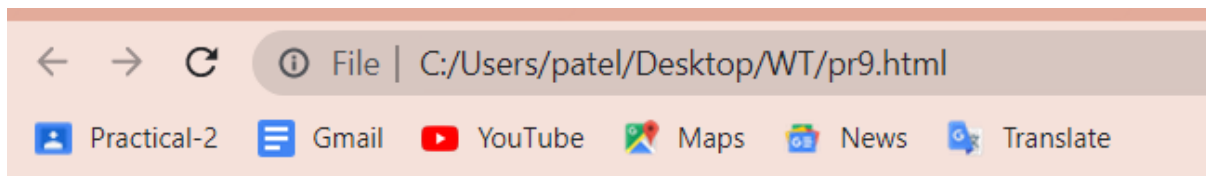
  const result = fullName.apply(person);

  document.getElementById("demo").innerHTML = result;

}

function bindExample() {
```

```
const result = fullName.bind(person);  
document.getElementById("demo").innerHTML =  
result();  
}  
</script>  
</body>  
</html>
```

Output:

Click the buttons to see the differences between call(), apply(), and bind():

parita kakadiya