Experiment No. 07

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Class: BE5 P5
Subject: JavaScript

HTML code -

```html
<!-- Name: Prathmesh Bonde
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<html>
<script src="Expt7.js"></script>

<body style="text-align:center">
    <h1> Array Operations</h1>
    <form class="" method="post">

        <input type="text" id='2' value="" /> :
        <button type="button" name="button" onclick="arrayip()">Submit Array
Values</button><br><br>

        <input type="text" id='push' value="" /> :
        <button type="button" name="button" onclick="pusharr()">Push Array
Object as Element</button>
        <button type="button" name="button" onclick="pushobj()">Push Object as
Element</button><br><br>

        <input type="text" id='unshift' value="" /> :
        <button type="button" name="button" onclick="unshiftArr()">Unshift
Array Element</button><br><br>

        Result : <span id="res"></span><br><br>
        <button type="button" name="button" onclick="Empty()">Empty
Array</button>
        <button type="button" name="button" onclick="Display()">Display
Array</button><br>
        <button type="button" name="button" onclick="pop()">Pop Array
Element</button>
        <button type="button" name="button" onclick="shiftArr()">Shift Array
Element</button><br><br>
</body>

</html>
```

Javascript code –

```javascript
function arrayip() {
    let arrval = document.getElementById('2').value;
    Arrayy = arrval.split(',');
    var str = 'You have entered :' + Arrayy;
    document.getElementById('res').innerHTML = str;
}
function pop() {
    Arrayy.pop();
    var str = 'Value is popped';
    document.getElementById('res').innerHTML = str;
}
function pusharr() {
    var tempval = document.getElementById('push').value;
    var val = new Array(tempval);
    let f = Array.isArray(val);
    Arrayy.push(val);
    if (f) {
        var str =
            'Value :' + val + ' is pushed in array and objest is also of type
array';
        document.getElementById('res').innerHTML = str;
    } else {
        var str = 'Value :' + val + ' is not of type array';
        document.getElementById('res').innerHTML = str;
    }
}
function pushobj() {
    var tempval = document.getElementById('push').value;
    var val = new Object(tempval);
    let f = Array.isArray(val);
    if (f) {
        var str =
            'Value :' + val + ' is pushed in array and object is also of type
array';
        document.getElementById('res').innerHTML = str;
    } else {
        var str = 'Value :' + val + ' is not of type array';
        document.getElementById('res').innerHTML = str;
    }
}
function shiftArr() {
    Arrayy.shift();
    var str = 'Value is shifted from array';
    document.getElementById('res').innerHTML = str;
}
function unshiftArr() {
```

```javascript
    var val = document.getElementById('unshift').value;
    Arrayy.unshift(val);
    var str = 'Value is shifted from array';
    document.getElementById('res').innerHTML = str;
}
function inEmpty() {
    Arrayy = [];
    document.getElementById('res').innerHTML = 'Array is Emptied';
}
function inDisplay() {
    var str = '';
    for (var i = 0; i < Arrayy.length; i++) {
        if (Arrayy[i] != undefined) str += Arrayy[i];
        str += ' ';
    }
    document.getElementById('res').innerHTML = str;
}
```

Output:

Array Operations

1 2 3 4 : Submit Array Values

5 6 : Push Array Object as Element | Push Object as Element

Result : Value :5 6 is pushed in array and objest is also of type array

Empty Array | Display Array

Array Operations

1 2 3 4 : Submit Array Values

7 : Push Array Object as Element | Push Object as Element

Result : Value :7 is not of type array

Empty Array | Display Array

Array Operations

1 2 3 4 : Submit Array Values

7 : Push Array Object as Element | Push Object as Element

Result : 1 2 3 4 5 6

Empty Array | Display Array

Array Operations

1 2 3 4 : Submit Array Values

7 : Push Array Object as Element | Push Object as Element

Result : Array is Emptied

Empty Array | Display Array