Append an Object to An Array

```html
<!DOCTYPE html>
<html lang="en">

<head>
   <title>Append an Object to An Array</title>
</head>

<body>
   <h1>JavaScript Program to Append an Object to An Array</h1>
   <script>
      var array = [];
      var x = prompt("Enter the size of array");
      //Input the elements in the array
      for (i = 0; i < x; i++) {
         array[i] = prompt('Enter array Element ' + (i + 1));
      }
      //Display the array elements
      for (i = 0; i < x; i++) {
         document.write("The element at position " + (i) + " is : " + array[i] + "</br> </br>");
      }

      // program to append an object to an array using push() method
      function pushFunc(arr, obj) {
         // append object
         arr.push(obj);
         console.log(arr);
         document.write("Using push method: " + arr + "</br></br>");
      }
      let obj1 = ["java", "script"];
      pushFunc(array, obj1);

      // program to check if an object is an array
      function checkObject(arr) {
         // check if arr is array
         const result = Array.isArray(arr);
         if (result) {
            console.log('[arr] is an array.');
            document.write("This is an array</br></br>");
         }
         else {
            console.log('[arr] is not an array.');
            document.write("This is not an array</br></br>");
         }
      }
      checkObject(array);
      console.log(array);

      // program to append an object to an array using splice() method
      function spliceFunc(arr, obj) {
```

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        // find the last index
        let index = arr.length;

        // appending object to end of array
        arr.splice(2, 0, obj2);

        console.log(arr);
        document.write("Splicing at index 2: " + arr + "</br></br>");
    }
    // object to add
    let obj2 = ["We", "like"];

    // call the function
    spliceFunc(array, obj2);

    // program to append an object to an array using unshift() method
    function unshiftFunc(arr, obj) {
        // append object
        arr.unshift(obj);
        console.log(arr);
        document.write("Using unshift method: " + arr + "</br></br>");
    }
    let obj3 = ["We", "learn", 8.9];
    unshiftFunc(array, obj3);

    // program to append an object to an array using Spread operator
    function spreadOperator(arr, obj) {

        // append object
        arr = [...arr, obj4];

        console.log(arr);
        document.write("Using spread operator: " + arr + "</br></br>");

    }
    // object to add
    let obj4 = ["Program", "Ended"];
    // call the function
    spreadOperator(array, obj4);

  </script>
</body>

</html>
```

JavaScript Program to Append an Object to An Array

The element at position 0 is : Ram

The element at position 1 is : 2025

The element at position 2 is : Batman

The element at position 3 is : 33

Using push method: Ram,2025,Batman,33,java,script

This is an array

Splicing at index 2: Ram,2025,We,like,Batman,33,java,script

Using unshift method: We,learn,8.9,Ram,2025,We,like,Batman,33,java,script

Using spread operator: We,learn,8.9,Ram,2025,We,like,Batman,33,java,script,Program,Ended