HTML   CSS   JS   OUTPUT

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <title>Page Title</title>
5  </head>
6  <body>
7  <script>
8  for(x=100;x>=1;x--)
9  {
10 document.write(x+"<br>");
11 }
12 </script>
13 </body>
14 </html>
```

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HTML   CSS   JS   OUTPUT

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Prime Number Checker</title>
5  </head>
6  <body>
7      <h1>Check Prime Number</h1>
8      <input type="number" id="number Input"
   placeholder="Enter a number" min="0">
9      <button onclick="checkPrime()">Check</
   button>
10
11     <div id="output"></div>
12
13     <script>
14         function checkPrime() {
15             var num =
16  parseInt(document.getElementById("number
    Input").value);
17             var result = "";
18
19         if (isNaN(num) || num < 0) {
20     result = "Please enter a valid
    non-negative integer.";
21  } else if (num < 2) {
22     result = num + " is NOT a Prime Number.";
23  } else {
24  var isPrime = true;
25  for (var i=2; i <= Math.sqrt(num); i++) {
26  if (num % i === 0) {
27  isPrime = false;
28  break;
29  }
30  if (isPrime) {
```

TAB   <   >   /   =   "   RUN ▶

```
10
11      <div id="output"></div>
12
13      <script>
14          function checkPrime() {
15              var num =
16  parseInt(document.getElementById("number
    Input").value);
17              var result = "";
18  |
19          if (isNaN(num) || num < 0) {
20     result = "Please enter a valid
    non-negative integer.";
21  } else if (num < 2) {
22      result = num + " is NOT a Prime Number.";
23  } else {
24  var isPrime = true;
25  for (var i=2; i <= Math.sqrt(num); i++) {
26  if (num % i === 0) {
27  isPrime = false;
28  break;
29  }
30  if (isPrime) {
31  result = num + " is a Prime Number.";
32  } else {
33  result = num + " is NOT a Prime Number.";
34  }
35  }
36  document.getElementById("output").innerText
    = result;
37  }
38  </script>
39  </body>
40  </html>
```

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Check Prime Number

| Enter a number | Check |

HTML   CSS   JS   OUTPUT

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <title>Page Title</title>
5  </head>
6  <body>
7  <script>
8  num = 5;
9  for(i=1; i<=10; i++)
10 {
11 document.write(num+"x"+i+" "+(num * i)
   +"<br>")
12 }
13 </script>
14 </body>
15 </html>
```

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5x1 5
5x2 10
5x3 15
5x4 20
5x5 25
5x6 30
5x7 35
5x8 40
5x9 45
5x10 50

```html
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <title>Positive or Negative Checker</title>
5  </head>
6  <body>
7
8      <h1>Check if Number is Positive or
   Negative</h1>
9      <input type="number" id="number Input"
   placeholder="Enter a number">
10     <button onclick="checkNumber()">Check</
   button>
11     <div id="result"></div>
12 <script>
13     function checkNumber() {
14     var num =
15 parseFloat(document.getElementById("number
   Input").value);
16     var result = "";
17
18      if (isNaN(num)) {
19     result = "Please enter a valid number.";
20     } else {
21         if (num > 0) {
22     result = num + " is a Positive Number.";
23     } else if (num < 0) {
24     result = num + " is a Negative Number.";
25     } else {
26     result = "The number is Zero.";
27     }
28
29 }
30
```
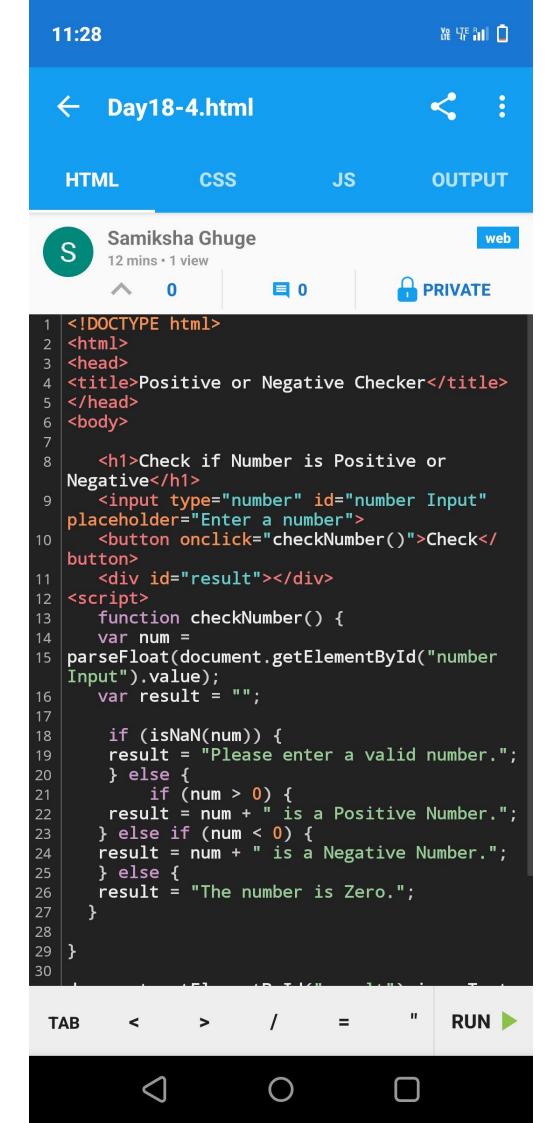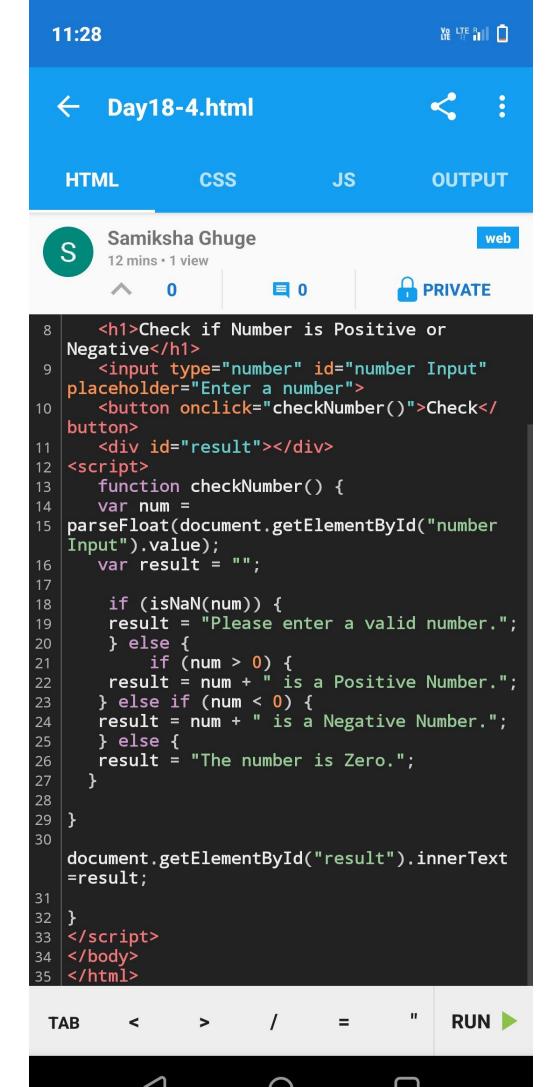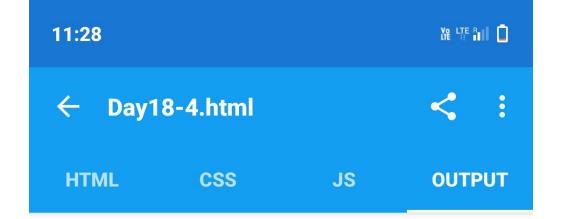
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```
8      <h1>Check if Number is Positive or
    Negative</h1>
9      <input type="number" id="number Input"
    placeholder="Enter a number">
10     <button onclick="checkNumber()">Check</
    button>
11     <div id="result"></div>
12  <script>
13     function checkNumber() {
14     var num =
15  parseFloat(document.getElementById("number
    Input").value);
16     var result = "";
17
18      if (isNaN(num)) {
19      result = "Please enter a valid number.";
20      } else {
21          if (num > 0) {
22      result = num + " is a Positive Number.";
23      } else if (num < 0) {
24      result = num + " is a Negative Number.";
25      } else {
26      result = "The number is Zero.";
27      }
28
29  }
30
    document.getElementById("result").innerText
    =result;
31
32  }
33  </script>
34  </body>
35  </html>
```
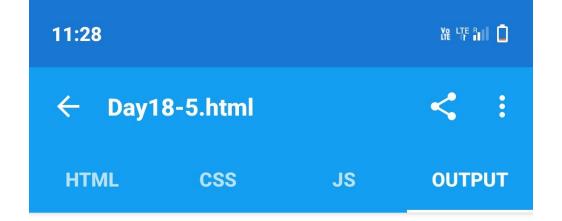
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Check if Number is Positive or Negative

| 259 | Check |

259 is a Positive Number.

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <title>Leap Year Checker</title>
5  </head>
6  <body>
7      <h1>Check Leap Year</h1>
8      <input type="number" id="yearInput"
   placeholder="Enter a year">
9      <button onclick="checkLeapYear()">Check</
   button>
10     <div id="result"></div>
11   <script>
12    function checkLeapYear() {
13     var year =
14  document.getElementById("yearInput").value;
15      var result = "";
16     if (year === "") {
17   result = "Please enter a year.";
18     } else {
19  year = parseInt(year);
20     if ((year % 4 === 0 && year % 100 !== 0)
   || (year % 400 === 0)) {
21  result = year + " is a Leap Year.";
22  } else {
23  result = year + 11 is NOT a Leap Year.";
24  }
25  }
26  document.getElementById("result").innerText
   =result;
27  }
28  </script>
29  </body>
30  </html>
```

TAB   <   >   /   =   "   RUN ▶

HTML   CSS   JS   **OUTPUT**

Check Leap Year

| Enter a year | | Check |