Interactive JavaScript Loop Activities

Activity 1: Numbers Divisible by 11 (While Loop)

```
<button onclick="divisibleBy11()">Show Numbers</button>
<p id="div11Result"></p>
<script>
function divisibleBy11() {
    let s = 11;
    let output = "";
    while (s <= 100) {
        output += s + " ";
        s += 11;
    }
    document.getElementById("div11Result").innerHTML = output;
}
</script>
```

Activity 2: Print 'Hi' 30 Times (While Loop)

```
<button onclick="printHi()">Print</button>
<p id="hiResult"></p>
<script>
function printHi() {
    let z = 1;
    let result = "";
    while (z <= 30) {
        result += "Hi<br>";
        z++;
    }
    document.getElementById("hiResult").innerHTML = result;
}
</script>
```

Activity 3: Numbers Divisible by 43

```
<button onclick="divisibleBy43()">Show Numbers</button>
<p id="div43Result"></p>
<script>
function divisibleBy43() {
    let t = 43;
    let result = "";
    while (t <= 100) {
        result += t + "<br>";
        t += 43;
    }
    document.getElementById("div43Result").innerHTML = result;
}
</script>
```

Activity 4: Print 'Hi' 30 Times (For Loop)

```
<button onclick="printHiForLoop()">Print</button>
<p id="hiForResult"></p>
<script>
function printHiForLoop() {
    let result = "";
    for (let s = 1; s <= 30; s++) {
        result += "Hi<br>";
    }
    document.getElementById("hiForResult").innerHTML = result;
}
</script>
```

Assignment 1: Even Numbers till 60

```
<button onclick="printEven()">Show Even Numbers</button>
<p id="evenResult"></p>
<script>
function printEven() {
    let result = "";
    for (let h = 2; h <= 60; h += 2) {
        result += h + " ";
    }
    document.getElementById("evenResult").innerHTML = result;
}
</script>
```

Assignment 2: Odd Numbers till 60

```
<button onclick="printOdd()">Show Odd Numbers</button>
<p id="oddResult"></p>
<script>
function printOdd() {
    let result = "";
    for (let h = 1; h <= 60; h += 2) {
        result += h + " ";
    }
    document.getElementById("oddResult").innerHTML = result;
}
</script>
```

Assignment 3: Print 'Hello' 100 Times

```
<button onclick="printHello()">Print</button>
<p id="helloResult"></p>
<script>
function printHello() {
    let result = "";
    for (let g = 1; g <= 100; g++) {
        result += "Hello<br>";
    }
```

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```
        document.getElementById("helloResult").innerHTML = result;
}
</script>
```