Assignment Code Submission

Dear Swathi Krishna Madam,

I am **Padma Mahendhar** . I am writing to submit my code assignment for the Internship Position role at **Tech.ata.core.**

I have wriiten the assignment code using **Javascript**, i have also included a detailed report of explaining assignment

Problem

- Print all of the positive integers from 1 to 100.

- Print out all positive integers from 1 to 100, inclusive and in order.

- Print messages to standard output, matching the Sample Output below.

- In the output, state whether each integer is 'odd' or 'even' in the output.

- If the number is divisible by three, instead of stating that the number is odd or even, state that the number is 'divisible by three'.

- If the number is divisible by both two and three, instead of saying that the number is odd,even or divisible by three; state that the number is 'divisible by two and three'.

- Design the logic of the loop to be as efficient as possible, using the minimal number ofoperations to perform the required log

Code

```javascript
// Loop through all numbers from 1 to 100

for (var i = 1; i <= 100; i++) {

 // Check if number is divisible by 2 and 3

 if (i % 2 === 0 && i % 3 === 0) {

   console.log("The number  " + i + "  is divisible by Two and Three");

 }

 // Check if number is divisible by 3

 else if (i % 3 === 0) {
```

```javascript
    console.log("The number  " + i + "  is divisible by Three");

  }

 // Check if number is even

 else if (i % 2 === 0) {

   console.log("The number  " + i + "  is even");

  }

 // If none of the above conditions are met, the number is odd

 else{

   console.log("The number  " + i + "  is odd");

  }

}
```

Output

The number 1 is odd

The number 2 is even

The number 3 is divisible by Three

The number 4 is even

The number 5 is odd

The number 6 is divisible by Two and Three

The number 7 is odd

The number 8 is even

The number 9 is divisible by Three

The number 10 is even

The number 11 is odd

The number 12 is divisible by Two and Three

The number 13 is odd

The number 14 is even

The number 15 is divisible by Three

The number 16 is even

The number 17 is odd

The number 18 is divisible by Two and Three

The number 19 is odd

The number 20 is even

The number 21 is divisible by Three

The number 22 is even

The number 23 is odd

The number 24 is divisible by Two and Three

The number 25 is odd

The number 26 is even

The number 27 is divisible by Three

The number 28 is even

The number 29 is odd

The number 30 is divisible by Two and Three

The number 31 is odd

The number 32 is even

The number 33 is divisible by Three

The number 34 is even

The number 35 is odd

The number 36 is divisible by Two and Three

The number 37 is odd

The number 38 is even

The number 39 is divisible by Three

The number 40 is even

The number 41 is odd

The number 42 is divisible by Two and Three

The number 43 is odd

The number 44 is even

The number 45 is divisible by Three

The number 46 is even

The number 47 is odd

The number 48 is divisible by Two and Three

The number 49 is odd

The number 50 is even

The number 51 is divisible by Three

The number 52 is even

The number 53 is odd

The number 54 is divisible by Two and Three

The number 55 is odd

The number 56 is even

The number 57 is divisible by Three

The number 58 is even

The number 59 is odd

The number 60 is divisible by Two and Three

The number 61 is odd

The number 62 is even

The number 63 is divisible by Three

The number 64 is even

The number 65 is odd

The number 66 is divisible by Two and Three

The number 67 is odd

The number 68 is even

The number 69 is divisible by Three

The number 70 is even

The number 71 is odd

The number 72 is divisible by Two and Three

The number 73 is odd

The number 74 is even

The number 75 is divisible by Three

The number 76 is even

The number 77 is odd

The number 78 is divisible by Two and Three

The number 79 is odd

The number 80 is even

The number 81 is divisible by Three

The number 82 is even

The number 83 is odd

The number 84 is divisible by Two and Three

The number 85 is odd

The number 86 is even

The number 87 is divisible by Three

The number 88 is even

The number 89 is odd

The number 90 is divisible by Two and Three

The number 91 is odd

The number 92 is even

The number 93 is divisible by Three

The number 94 is even

The number 95 is odd

The number 96 is divisible by Two and Three

The number 97 is odd

The number 98 is even

The number 99 is divisible by Three

The number 100 is even

Thank you for considering my code assignment. I look forward to your feedback.

Best regards,

Padma Mahendhar