

Credit Name: CSE 2110 Procedural Programming 1

Assignment Name: Exercise 7

Error Log Entry

What error message did you encounter (if any)?

No

What unexpected behavior did your program exhibit?

The program printed wrong values

What caused the issue? (e.g., syntax error, logic error, incorrect function usage, etc.)

logic error

Include a screenshot of specific lines of code.

```
public static boolean isPerfect(int number)
{
    int sum = 0;

    double maxDivisor = Math.ceil(number / 2); // To reduce the loop's execution times

    for (int count = 1; count < maxDivisor; count++)
    {
        if (number % count == 0)
        {
            sum += count;
        }
    }

    return sum == number;
}
```

How did you fix the issue?

I added count <= maxDivisor

Provide the corrected code or solution using a screenshot.

```
public static boolean isPerfect(int number)
{
    int sum = 0;

    double maxDivisor = Math.ceil(number / 2); // To reduce the loop's execution times

    for (int count = 1; count <= maxDivisor; count++)
```

```
        {
            if (number % count == 0)
            {
                sum += count;
            }
        }

        return sum == number;
    }
```