

CS1050 – Prelab4

Fall 2021

Concepts to Practice

- For loops and/or do/while statements
- Switch and/or the ternary operator

Description

For the prelab assignment, you may **not** use the **while** statement, the **do/while** statement, the **if** statement, nor the **if/else** statement. You may wish to try to do this using the ternary operator or the switch statement.

First, prompt the user for an integer and call it Limit. Using a For loop, you are to write a program that prints all perfect cube integers from 0 through Limit (the number the user entered) inclusive. If the resultant number is divisible by three, print an asterisk after that number.

Sample Output

```
jimr@JimRXPS13:~/CS1050/FS2021/labs/lab4$ compile prelab4.c
jimr@JimRXPS13:~/CS1050/FS2021/labs/lab4$ ./a.out
Please enter a limit: 2000
0*
1
8
27*
64
125
216*
343
512
729*
1000
1331
1728*
```