CS1050 – Prelab4
Spring 2022

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

Description
For the prelab assignment, you may **not** 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. Make sure not to hard-code the limit – your lab will be a somewhat similar problem and will require that your program work with whatever the user enters (and whatever the TA enters when grading your program).

Sample Output
```
jimr@JimRArea51:~/CS1050/SP2022/labs/lab4$ compile prelab4.c
jimr@JimRArea51:~/CS1050/SP2022/labs/lab4$ ./a.out
Please enter a limit: 3000
0*
1
8
27*
64
125
216*
343
512
729*
1000
1331
1728*
2197
2744
```