

Source File: ~/1337/07/lab07.(C|CPP|cpp|c++|cc|cxx|cp)
Input: None
Output: Screen
Value: 1

Write a complete program using a single loop to find all three digit numbers, abc , where $0 < a \leq 9$ and $0 \leq b, c \leq 9$ such that $a + b + c$ is the same as $a * b * c$. All such numbers should be written to the screen, one per line.

Commands to compile, link, and run this assignment are shown in Figure 1.

```
1 newuser@csunix ~> cd 1337
2 newuser@csunix ~/1337> mkdir 07
3 newuser@csunix ~/1337> cd 07
4 newuser@csunix ~/1337/07> cp /usr/local/1337/data/07/* .
5 newuser@csunix ~/1337/07> touch lab07.cpp
6 newuser@csunix ~/1337/07> # Edit lab07.cpp
7 newuser@csunix ~/1337/07> g++ -g -Wall -std=c++11 -c lab07.cpp
8 newuser@csunix ~/1337/07> g++ -o lab07 lab07.o
9 newuser@csunix ~/1337/07> ./lab07
10 Your Name - CS 1337 - Lab 07
11
12 123
13 132
14 213
15 231
16 312
17 321
18 newuser@csunix ~/1337/07> ./lab07 > my.out
19 newuser@csunix ~/1337/07> diff 01.out my.out
20 newuser@csunix ~/1337/07>
```

Figure 1. Commands to Compile, Link, & Run Lab 07