**CS 1301 Principles of Programming I**

**Lab 4**

**What to hand in**

Complete the questions below. Submit the source code to BlazeView.

**Questions**

**An Armstrong number of three digits is an integer such that the sum of the cubes of its digits is equal to the number itself. For example, 371 is an Armstrong number since 3^3 + 7^3 + 1^3 = 371**

**Write a program that reads a three-digit integer and finds out whether it is an Armstrong number or not**

***//Here is a sample run:***

***//Enter the number 23  
//Your number 23 is not a three-digit number***

***//Enter the number 1234  
//Your number 1234 is not a three-digit number***

***//Enter the number 371  
//Your number 371 is an Armstrong number***

***//Enter the number 235  
//Your number 235 is NOT an Armstrong number***

**Grading Criteria**

1. 20%, present answers.
2. 20%, the programs are able to be compiled in jGRASP.
3. 20%, the programs are able to run.
4. 40%, the programs output the expected results.