**CST 231 PLTL Week 2**

**Exercise 1:**

For each of the following,

* Say whether it’s a valid C++ name (identifier).
* If it is, does it follow the naming conventions discussed in class?
* If it does follow the naming conventions, is it clear what the variable is representing?
* If it doesn’t follow the naming conventions, how could you fix it?

|  |  |
| --- | --- |
| xyz | is this fine |
| Will\_This\_Work? | main |
| letter\_count | True |
| number$1 | fire-fly |
| c\_count | MAX\_VAL |
| mispellted | \_SUM |

**Exercise 2:**

What does the following code print when executed?

#include <iostream>

using namespace std;

int main()

{

int x;

float y;

float z;

y=4;

z=7.4;

x=y+z;

y=y+z;

cout<<x<<endl;

cout<<y<<endl;

}

**Exercise 3:**

Write a program that will calculate the total amount of money in your pocket. The program should ask the user to enter how many of each coin and bills they have. For example: “Enter how many pennies you have” The program should then add up the total and print to the screen. Remember to name your variables so it is easy to understand.

**Exercise 4:**

Write a program that prompts the user to enter a grade percentage, then using if-statements calculate the correct letter grade for that percentage and print it to the screen. Hint: Refer to the course syllabus for the correct percentage ranges and corresponding letter grades.