1 Assignment 0 Introduction

Welcome to the first CSE 232 assignment! Please note that this is just a practice assignment, and does not contribute towards your assignment grades. The sole purpose of this assignment is to ensure that you are comfortable with writing, modifying, compiling, and executing basic C++ codes. This assignment will also show you how to properly submit assignments on D2L. A large portion of your assignments will be automatically tested, graded, and checked for pla-giarised content. Therefore, it is imperative that you follow the proper assignment submission procedure. Failing to do so will most certainly cost you precious points. Please make sure you answer all the questions assigned here, and direct any of your own questions about the assi-gnment to Ed Discussion.

Good luck!

2 Hello ~~World~~ Sparty

You want to write your first C++ program. But you are starting to get tired of seeing the same 'Hello World' program everywhere:

```cpp
#include <iostream>

int main() {
  std::cout << "Hello World" << std::endl;
  return 0;
}
```

Change the above code so that it prints out 'Go Green, Go White!' instead.

3 Sir Halves-a-lot

Phil and Lil are twins, and like most siblings, are foreign to the concept of sharing. Their father Howard, tired of seeing his kids endlessly fight over their possessions, decided to create a robot whose sole purpose is to split every item into two equal pieces. After creating the robot, Howard fondly named it Sir Halves-a-lot.

Sir Halves-a-lot runs the following program to perform his duties:

```cpp
#include <iostream>

double SplitInHalf(double a) {
    // Shouldn't there be something here?
}

int main() {
    std::cout << SplitInHalf(10) << std::endl;
    return 0;
}
```

However, to Howard's dismay, it turns out Sir Halves-a-lot is not able to perform the only task it was designed for. It is now up to you to fix the above code to give Sir Halves-a-lot's life a purpose, and bring back sanity to Howard's.

4 Assignment 0 Submission Process

- Create a folder, name it *your_msu_id0*. For example, if your MSU email is *johndoe@msu.edu*, then you should name the folder *johndoe0*. For Assignment 1, it should be *johndoe1*, and so on.

- For each programming task, create a sub-folder inside your *your_msu_id0* folder, and name it as the number that corresponds to the programming task number. For this assignment, there should be two sub-folders named *'2'* and *'3'*.

- Inside each sub-folder, put the *main.cpp* for the appropriate solution.

- Compress/Zip *your_msu_id0* folder and name it *your_msu_id0.zip*. For example, if the name of your folder is *johndoe0*, then you need to create a zip file named *johndoe0.zip*. See here if you are not sure how to create zip files: https://copyrightservice.co.uk/reg/creating-zip-files.

- Submit the zip file through D2L.

Reference submission: https://cse232summer-msu.github.io/assets/files/johndoe0.zip.