



## 6.1 Exercises

Write a program to initialize three variables which equal to 0.1, 0.2, 0.3, then print them with two decimal points.

A screenshot of a terminal window with a dark background. At the top, there are four tabs: "PROBLEMS", "OUTPUT", "DEBUG CONSOLE", and "TERMINAL", with "TERMINAL" being the active tab. The terminal shows the following text:

```
wdx@DESKTOP-R133B5N:~/Cpp$ g++ -o main main.cpp && ./main
0.10
0.20
0.30
wdx@DESKTOP-R133B5N:~/Cpp$
```

Your output should look like something above. You can use `printf` to achieve this, or you can explore the `cout` way.



## 6.2 Exercises

Copy the following code into 3 files, and compile them together to an executable file. Find the bugs if there are some.

Step 1: Compile main.cpp

Step 2: Compile add.cpp

Step 3: Link the two object files.

### main.cpp

```
#include <iostream>
#include "Add.h"

int main()
{
    int num1 = 2147483647;
    int num2 = 1;
    int result = 0;

    result = add(num1, num2);

    cout << "The result is " << result << endl;
    return 0;
}
```

### add.h

```
#pragma once

int add(int n1, int n2);
```

### add.cpp

```
#include "add.h"

int Add(int number1, int number2);
{
    return n1 + n2;
}
```