#### Solution: Fix the Code

This lesson provides a solutions to the challenge given in the previous lesson.

#### WE'LL COVER THE FOLLOWING ^

- Compilation error reason
- Solution 1
- Solution 2

# Compilation error reason #

The following line causes a compilation error:

```
int amount = 10_000_000_000;
```

The problem here is that the value on the right-hand side is too large to fit in an int. According to the rules of integer literals, its type is long. For that reason, it doesn't fit the type of the variable on the left-hand side. There are at least two solutions.

### Solution 1#

One solution is to leave the type of the variable to the compiler for example by the <a href="auto">auto</a> keyword:

```
import std.stdio;

void DisplayAmount() {
    auto amount = 10_000_000_000;

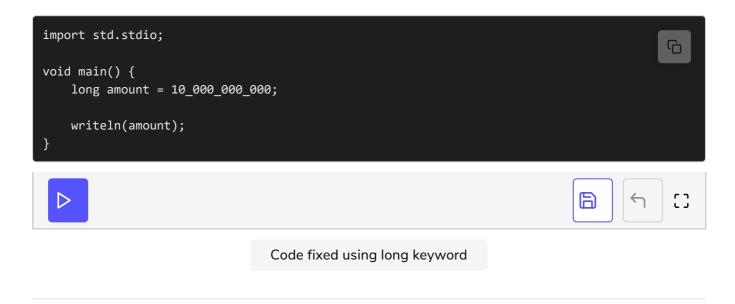
    write(amount);
}
```

Fixed code using auto keyword

The type of amount would be deduced to long from its initial value from the right-hand side.

## Solution 2 #

Another solution is to make the type of the variable long as well:



In the next lesson, we will explore character and string literals.