Challenge: Find Remainder and Quotient of an Integer
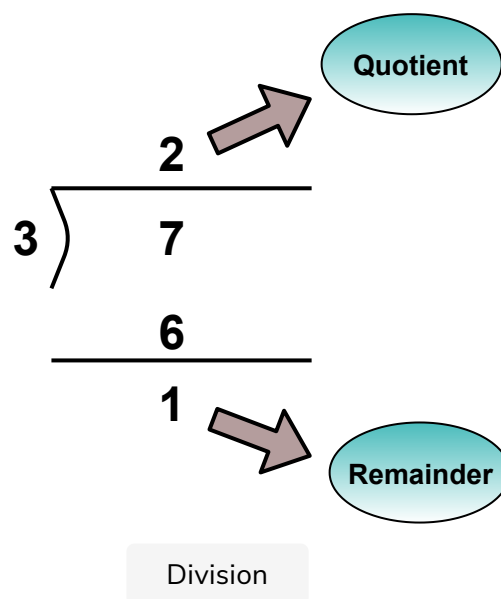
This lesson presents a coding challenge related to the implementation of arithmetic operations on integers.

When an integer is divided by another integer, we get two values: *remainder* and *quotient*.

- **Remainder:** It is the integer left over after dividing one integer by another.

- **Quotient:** It is a number or value produced as a result of division.

Division

Problem statement

In this challenge, you are given two initialized integer variables. Your task is

to display both the quotient and remainder that result from the division of the first integer by the second.

Input

```
First Integer: 7
Second Integer: 3
```

Output

```
7 = 3 multiplied by 2 plus 1
```

Challenge

This problem is designed for you to practice, so try to solve it on your own first. If you get stuck, you can always refer to the explanation and solution provided in the next lesson. Good luck!

```
import std.stdio;

void DivideInteger() {
    int first=7;
    int second=3;

    //Replace the below line with your code
    write(" ");

}
```

Coding challenge

In the next lesson, you will find the solution to this coding challenge.