Challenge 1: Square Numbers and Return their Sum

In this challenge, you need to implement a method that squares passing variables and returns their sum.

Problem Statement

Implement a method `SquaresSum(double num1, double num2, double num3)`, in a class `SumOfSquares`, which takes three numbers, squares them and returns their sum. This is just a refresher to test your knowledge of methods in C#.

Input

Three `double` numbers.

Output

The sum of the squares of the passed numbers

Sample Input

```
2, 3, 4
```

Sample Output

```
29
```

SquaresSum(double num1, double num2, double num3)

SquaresSum(double num1, double num2, double num3)

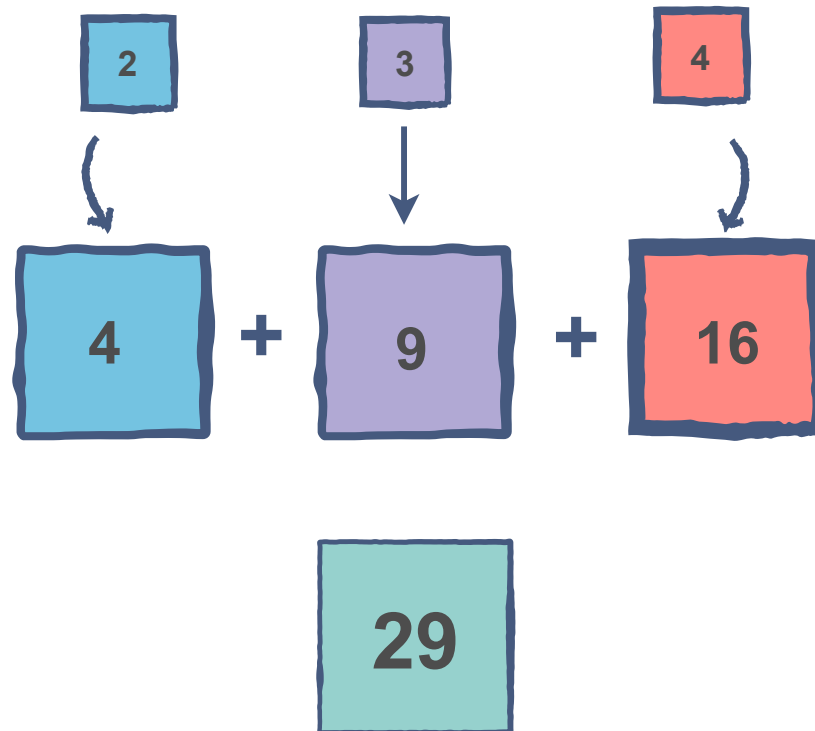**SquaresSum(double num1, double num2, double num3)**

2   3   4

4 + 9 + 16

29

Coding Exercise

First, take a close look and design a step-by-step algorithm before jumping to the implementation. This problem is designed for your practice, so initially, try to solve it on your own. If you get stuck, you can always refer to the solution provided in the solution section.

Good Luck!

```
class SumOfSquares {

  // Method to square the sum of three numbers
  public double SquaresSum(double num1, double num2, double num3) {
    double sum = 0;

    // Write your code here

    return sum;
  }
}
```

```
}
```

The solution will be explained in the next lesson.