Challenge 1: Square Numbers and Return Their Sum

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

WE'LL COVER THE FOLLOWING

Problem Statement

Implement a class `Point` that has three properties and a method. All these attributes (properties and methods) should be **public**. This problem can be broken down into two tasks:

Task 1

Implement a constructor to initialize the values of three properties: `x`, `y`, and `z`.

Task 2

Implement a method, `sqSum()`, in the `Point` class which squares `x`, `y`, and `z` and returns their sum.

Sample Properties

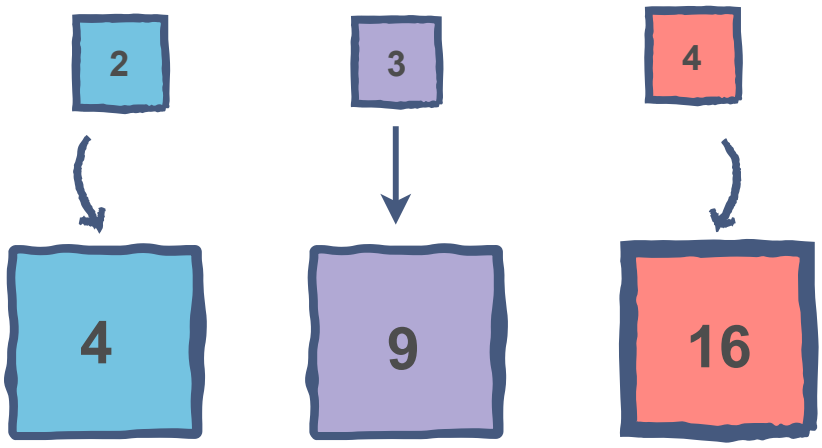
```
1, 3, 5
```

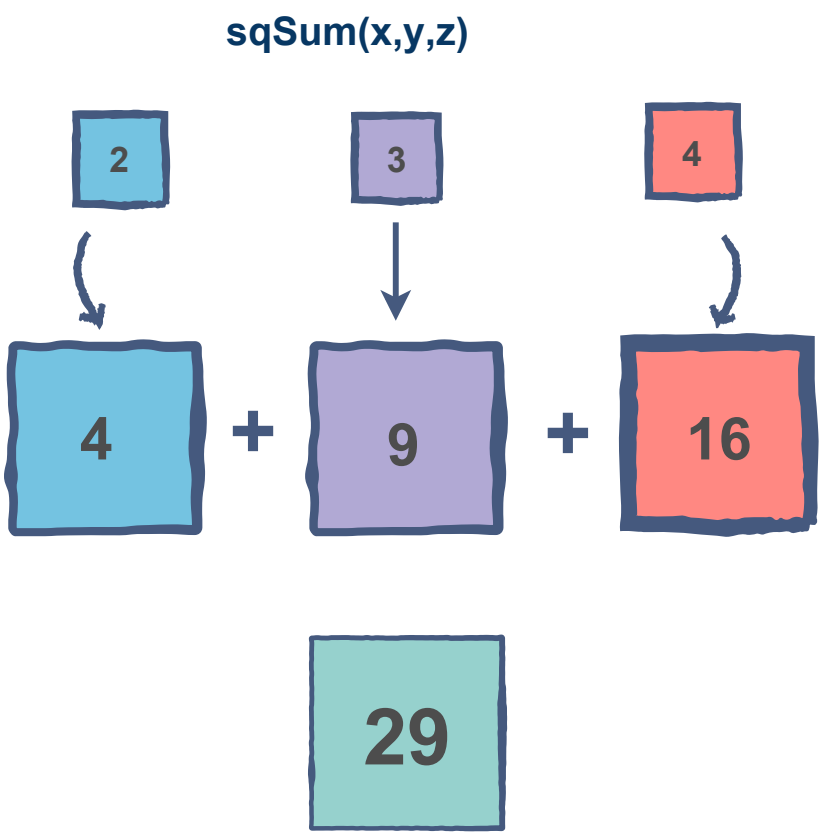
Sample Method Output

```
35
```

sqSum(x, y, z)

sqSum(x,y,z)





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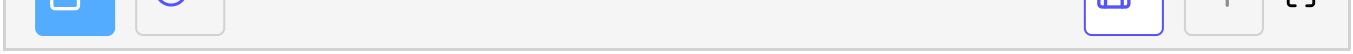
Coding Exercise

First, take a close look and design a step-by-step algorithm like in the *slides* above before jumping to its implementation. This problem is intended 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 Point:
    def __init__(self):
        self.x = x
        self.y = y
        self.z = z

    def sqSum(self):
        pass
```



The solution will be explained in the next lesson.