

Challenge 2: Calculate the Student's Performance

In this exercise, you have to calculate the student's total marks using the concept of Classes.

We'll cover the following ^

- Problem Statement
 - Task 1
 - Task 2
 - Task 3
- Coding Exercise

Problem Statement

Implement a class `Student` 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 four properties: `name`, `phy`, `chem` and, `bio`.

Task 2

Implement a method, `totalObtained`, in the `Student` class that calculates total marks of a student.

Sample Properties

```
name = Mark
phy  = 80
chem = 90
bio  = 40
```

Sample Method Output

obj1.Total()=210

Task 3

Using the `totalObtained` method, implement another method, `percentage`, in the `Student` class that calculates the percentage of students marks. Assume that the total marks of each subject are **100**. So, the combined marks of three subjects are **300**.

Below is the formula for calculating the percentage:

$$\text{Percentage} = \frac{\text{Marks Obtained}}{\text{Total Marks}} \times 100$$

Sample Input

```
phy  = 80
chem = 90
bio  = 40
```

Sample Output

70

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 review.

Good Luck!

```
class Student:
    def __init__(self):
        pass

    def totalObtained(self):
        pass

    def Percentage(self):
        pass
```





The solution will be explained in the next lesson.