

# Solution Review: Calculate the Student's Total Marks

This review provides a detailed analysis to solve the 'Calculate the Student's Total Marks' challenge.

## WE'LL COVER THE FOLLOWING ^

- Solution
- Explanation

## Solution #

```
class Student {  
  
    // Private fields  
    private String name;  
    private double mark1;  
    private double mark2;  
  
    // Default Constructor  
    public Student() {  
        name = "";  
        mark1 = 0;  
        mark2 = 0;  
    }  
  
    // Parameterized Constructor  
    public Student(String name, double mark1, double mark2) {  
        this.name = name;  
        this.mark1 = mark1;  
        this.mark2 = mark2;  
    }  
  
    // Getter Function  
    public double getMarks(int markNumber) {  
  
        if(markNumber == 1)  
            return mark1;  
        else if(markNumber == 2)  
            return mark2;  
        return 0;  
    }  
  
    public double calcTotal() {  
        // Write definition here  
        double totalMarks = mark1 + mark2;  
        return totalMarks;  
    }  
}
```



```
}  
}  
  
class Demo {  
  
    public static void main(String args[]) {  
        Student student = new Student("Jack", 60, 70);  
        System.out.println(student.calcTotal());  
    }  
  
}
```



## Explanation #

- Defined the class fields `mark1`, `mark2` and `name` as private.
- Defined the constructor and assigned parameters to the respective fields.
- Then, defined an overloaded constructor.
- Defined the `getMarks()` method inside the class
- Finally, wrote the `calcTotal()` function using `mark1` and `mark2`

In the next challenge, we'll solve another problem of implementing a calculator class.