Week 03 : Programming Assignment 4

Due on 2025-02-13, 23:59 IST

A Student class with private fields (name, age) is provided,

Your task is to make the following:

§ a parameterized constructor to initialize the private fields
§ the getter/setter methods for each field

Follow the naming convention as given in the main method of the suffix code.

Private Test cases used for evaluation	Input	Expected Output	Actual Output	Status
Test Case 1	Bob 18	Name: Bob, Age: 18	Name: Bob, Age: 18	Passed
Test Case 2	Eve 22	Name: Eve, Age: 22	Name: Eve, Age: 22	Passed

The due date for submitting this assignment has passed.
2 out of 2 tests passed.
You scored 100.0/100.

Assignment submitted on 2025-02-11, 21:58 IST

Your last recorded submission was :

```java
import java.util.Scanner;
class Student {
    private String name;
    private int age;
// ================================
    // TODO: Implement the Student class with private fields (name, age),
    //       a constructor, and getter/setter methods.

public Student(String name, int age) {
        this.name = name;
        this.age = age;
    }

    // Getter method for name
    public String getName() {
        return name;
    }

    // Setter method for name
    public void setName(String name) {
        this.name = name;
    }

    // Getter method for age
    public int getAge() {
        return age;
    }

    // Setter method for age
    public void setAge(int age) {
        this.age = age;
    }
public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        // System.out.print("Enter student name: ");
        String name = scanner.next();

        // System.out.print("Enter student age: ");
        int age = scanner.nextInt();

        Student student = new Student(name, age);

        System.out.print("Name: " + student.getName() + ", Age: " + student.getAge());

        scanner.close();
    }
}
```

Sample solutions (Provided by instructor)

```java
import java.util.Scanner;
class Student {
    private String name;
    private int age;
public Student(String name, int age) {
        this.name = name;
        this.age = age;
    }

    public String getName() {
        return name;
    }

    public int getAge() {
        return age;
    }
public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        // System.out.print("Enter student name: ");
        String name = scanner.next();

        // System.out.print("Enter student age: ");
        int age = scanner.nextInt();

        Student student = new Student(name, age);

        System.out.print("Name: " + student.getName() + ", Age: " + student.getAge());

        scanner.close();
    }
}
```