Week 02: Programming Assignment 2

Due on 2025-02-06, 23:59 IST

Write a program that demonstrates constructor overloading. Create a class Student with two constructors:

- 1. A constructor that accepts name and age
- 2. A constructor that accepts all three attributes: name, age, and grade.

Print the student's information using a method displayInfo().

Input:

- name (String)
- age (int)
- grade (String, optional)

Output:

The program should output:

Name: <name> Age: <age> Grade: <grade>

Private Test cases used for evaluation Input Expected Output Actual Output Status Rohit Name: Rohit\n Name: Rohit\n Test Case 1 Passed

The due date for submitting this assignment has passed.

1 out of 1 tests passed You scored 100.0/100.

Assignment submitted on 2025-02-03, 19:07 IST

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Assignment submitted on 2025-02-03, 19:07 IST
Your last recorded submission was:

| import | java.util.*; | jubil.c class student {
| import | java.util.*; | jubil.c class student {
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| import | java.util.*; | jubil.c class student {
| import | java.util.*; | jubil.c class student {
| int | jubil.c student(string name, int age) {
| int | jubil.c student(string name, int age, string grade) {
| int | jubil.c student | jubil.c studen
 Your last recorded submission was
Sample solutions (Provided by instructor)
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import java.util.*; public class Student { String name; int age; String grade; 345678901123456789012345678901234567890 public Student(String name, int age) {
 this.name = name;
 this.age = age;
} public Student(String name, int age, String grade) {
 this.name = name;
 this.age = age;
 this.grade = grade;
} public void displayInfo() {
 System.out.println("Name: " + name);
 System.out.println("Age: " + age);
 if(!grade.isEmpty()||grade!=null) System.out.print("Grade: " + grade);
} public static void main(String[] args) {
 Scanner sc = new Scanner(System.in);
 String name = sc.nextLine();
 int age = sc.nextInt();
 String grade= null; // Check if grade is provided or not if(sc.hasNextLine()) sc.nextLine();
grade = sc.nextLine(); // Create the student object
 Student student;
if (grade == null | |grade.isEmpty()) {
 student = new Student(name, age);
 } else {
 student = new Student(name, age, grade);
} student.displayInfo();
sc.close();
7 }
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