

## Chaining Constructors

Write a Java program to create a class called Student with instance variables studentId, studentName, and grade. Implement a default constructor and a parameterized constructor that takes all three instance variables. Use constructor chaining to initialize the variables. Print the values of the variables.

### Sample Solution:

#### Java Code:

#### Student.java

```
// Define the Student class
public class Student {
    // Private instance variables
    private int studentId;
    private String studentName;
    private String grade;

    // Default constructor
    public Student() {
        // Call the parameterized constructor with default values
        this(0, "Unknown", "None");
    }

    // Parameterized constructor
    public Student(int studentId, String studentName, String grade) {
        // Initialize studentId with the provided parameter
        this.studentId = studentId;
        // Initialize studentName with the provided parameter
        this.studentName = studentName;
        // Initialize grade with the provided parameter
        this.grade = grade;
    }

    // Main method to test the Student class
    public static void main(String[] args) {
        // Create a new Student object using the default constructor
        Student student1 = new Student();
        // Print the values of the instance variables for student1
        System.out.println("Student1 ID: " + student1.studentId);
    }
}
```

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```
System.out.println("Student1 Name: " + student1.studentName);
System.out.println("Student1 Grade: " + student1.grade);

// Create a new Student object using the parameterized constructor
Student student2 = new Student(101, "Cullen", "A");
// Print the values of the instance variables for student2
System.out.println("Student2 ID: " + student2.studentId);
System.out.println("Student2 Name: " + student2.studentName);
System.out.println("Student2 Grade: " + student2.grade);
    }
}
```

Output:

```
Student1 ID: 0
Student1 Name: Unknown
Student1 Grade: None
Student2 ID: 101
Student2 Name: Cullen
Student2 Grade: A
```

**Explanation:**