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Batch Code: ANP-C6315

Lab Assignment – 4

Question 1: Write a program to count the sum of given numbers from the user.

INPUT: import java.util.Scanner;

```java
public class SumOfNumbers {

  public static void main(String[] args) {

    Scanner scanner = new Scanner(System.in);


    System.out.print("Enter the number of values to sum: ");

    int n = scanner.nextInt();


    if (n <= 0) {

      System.out.println("Please enter a positive number of values to sum.");

      return;

    }


    int sum = 0;


    for (int i = 0; i < n; i++) {

      System.out.print("Enter number " + (i + 1) + ": ");

      int num = scanner.nextInt();

      sum += num;

    }
```

```java
        System.out.println("The sum of the " + n + " numbers is: " + sum);


        scanner.close();

    }

}
```

Output:

Enter the number of values to sum: 4

Enter number 1: 10

Enter number 2: 20

Enter number 3: 30

Enter number 4: 40

The sum of the 4 numbers is: 100

Question 2: Create a class Student with Name, ID, and Grade properties. Create a parameterized constructor to initialize values to the object. Display the object values.

INPUT:

```java
public class Student {

    private String name;

    private int id;

    private char grade;


    // Parameterized constructor

    public Student(String name, int id, char grade) {

        this.name = name;

        this.id = id;

        this.grade = grade;

    }
```

```java
    // Display method to show object values

    public void display() {

        System.out.println("Student Name: " + name);

        System.out.println("Student ID: " + id);

        System.out.println("Student Grade: " + grade);

    }


    public static void main(String[] args) {

        // Create a Student object with parameterized constructor

        Student student1 = new Student("John", 12345, 'A');


        // Display the object's values

        student1.display();

    }

}
```