2. Write a Java program with constructor to find the sum of ‘n’ integers.

```
import java.util.Scanner;

public class SumOfIntegers {
    private int sum;

    public SumOfIntegers(int[] numbers) {
        for (int number : numbers) {
            sum += number;
        }
    }

    public int getSum() {
        return sum;
    }

    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        System.out.print("Enter the number of integers: ");
        int n = scanner.nextInt();
        int[] numbers = new int[n];
        System.out.println("Enter the integers:");
        for (int i = 0; i < n; i++) {
            numbers[i] = scanner.nextInt();
        }

        SumOfIntegers sumCalc = new SumOfIntegers(numbers);
```

```
        System.out.println("The sum of the integers is: " + sumCalc.getSum());
    }
}
```

3. Write a Java program with constructor to check whether the given number is a even number or odd number.

```
import java.util.Scanner;

public class EvenOddChecker {
    private int number;

    public EvenOddChecker(int number) {
        this.number = number;
    }

    public boolean isEven() {
        return number % 2 == 0;
    }

    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        System.out.print("Enter a number: ");
        int number = scanner.nextInt();

        EvenOddChecker checker = new EvenOddChecker(number);
        if (checker.isEven()) {
            System.out.println(number + " is an even number.");
        } else {
```

```
            System.out.println(number + " is an odd number.");
        }
    }
}
```