```java
import java.util.Scanner;

class NumberPuzzleSolver {
    private int number;

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

    public int solvePuzzle() {
        if (isValidNumber()) {
            int difference;
            if (number > 50) {
                difference = calculateDifference
                    ();
            } else {
                int reversedNumber =
                    reverseNumber();
                difference = calculateDifference
                    (reversedNumber);
            }
            return difference;
        } else {
            return -1; // Invalid number
        }
    }

    private boolean isValidNumber() {
        return number >= 10 && number <= 99;
    }

    private int calculateDifference() {
        int firstDigit = number / 10;
        int secondDigit = number % 10;
        return Math.abs(firstDigit - secondDigit
            );
    }

    private int calculateDifference(int
        reversedNumber) {
        int firstDigit = reversedNumber / 10;
        int secondDigit = reversedNumber % 10;
        return Math.abs(firstDigit - secondDigit
            );
    }

    private int reverseNumber() {
        int reversed = 0;
        int temp = number;
        while (temp != 0) {
            int digit = temp % 10;
            reversed = reversed * 10 + digit;
            temp /= 10;
        }
        return reversed;
    }
}

public class Main {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in
            );
        System.out.print("Enter a two-digit
            number: ");
        int inputNumber;

        if (scanner.hasNextInt()) {
            inputNumber = scanner.nextInt();
            NumberPuzzleSolver solver = new
                NumberPuzzleSolver(inputNumber);
            int difference = solver.solvePuzzle
                ();
            if (difference == -1) {
                System.out.println("Invalid
                    number");
            } else {
                System.out.println("The
                    difference is: " +
                    difference);
            }
        } else {
```

```
java -cp /tmp/wQH7gCsNrK/Main
Enter a two-digit number: 57
The difference is: 2

=== Code Execution Successful ===
```

Main.java | Run | Output | Clear

```java
import java.util.Scanner;

public class NumberNamesPrinter {
    public static void main(String[] args) {
        String[] numberNames = {
            "Zero", "One", "Two", "Three",
                "Four", "Five", "Six", "Seven",
                "Eight", "Nine"
        };

        Scanner scanner = new Scanner(System.in
            );
        System.out.print("Enter a number (0-9):
            ");
        int number = scanner.nextInt();

        if (number >= 0 && number <= 9) {
            System.out.println("The number name
                is: " + numberNames[number]);
        } else {
            System.out.println("Invalid input.
                Please enter a number between 0
                and 9.");
        }
    }
}
```

```
java -cp /tmp/xQyoy2oA81/NumberNamesPrinter
Enter a number (0-9): 8
The number name is: Eight

=== Code Execution Successful ===
```