**PRACTICAL-3**

**AIM:** A typical mobile number in India is “+91-AA-BBB-CCCCC”. Where the first two digits (AA)indicate a mobile system operator, the next three (BBB) denote the mobile switching code(MSC) while the remaining five digits (CCCCC) are unique to the subscriber. Write an application that takes a mobile number as an input from a user in above mentioned format and display code for mobile system operator, mobile switching code and last 5 digits which are unique to subscriber. Ex. For an input +91-94-999-65789, output should be Mobile system operator code is 94 MSC is 999 Unique code is 65789.

**CODE:**

import java.util.Scanner;

public class pr3 {

    public static void main(String[] args) {

        Scanner scanner = new Scanner(System.in);

        System.out.println("Enter mobile number in format +91-AA-BBB-CCCCC: ");

        String input = scanner.nextLine();

        // Validate and parse input

        if (input.matches("\\+91-\\d{2}-\\d{3}-\\d{5}")) {

            String[] parts = input.split("-");

            String operatorCode = parts[1];

            String mscCode = parts[2];

            String uniqueCode = parts[3];

            System.out.println("Mobile system operator code is: " + operatorCode);

            System.out.println("MSC code is: " + mscCode);

            System.out.println("Unique code is: " + uniqueCode);

        } else {

            System.out.println("Invalid input format. Please enter the mobile number in the format +91-AA-BBB-CCCCC.");

        }

        scanner.close();

        System.out.println("23DIT044-Heli Patel");

    }

}

**OUTPUT:**

