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;


class three {
    public static void main(String[] args){
        String o,msc,uni,ph;
        Scanner sc = new Scanner(System.in);
    System.out.println("Enter phone number :+91");
    ph= sc.nextLine();
     System.out.println("OP code is " + ph.substring(0,2));
    System.out.println("MSC code is " + ph.substring(2,5));
    System.out.println("Unique code is " + ph.substring(5,10));
     System.out.println("23DIT043 Esha Patel");




    }
}
```

OUTPUT:

```
Enter phone number :+91
1234567891
OP code is 12
MSC code is 345
 Unique code is 67891
23DIT043 Esha Patel
```

CONCLUSION:

The code reads a phone number from the user, formatted with a +91 country code. It then extracts and displays three segments of the phone number:

1. OP Code: The first two digits.
2. MSC Code: The next three digits.
3. Unique Code: The following five digits.

Finally, it prints a fixed string with a name. The code effectively demonstrates string manipulation using the substring method and basic user input handling.