Program:- Fizz-Buzz

```java
package com.ishwarchavan;

public class Fizz_Buzz {

    public static void main(String[] args) {          //main program started
        int n=3;                             //declare and initialize value

        for(int i=1; i<=n; i++) {            //for loops iterating up to n

            if(i % 5 == 0 && 3 == 0) {       //if this condition satisfied then print below statement

                System.out.println("FizzBuzz");
            }else if(i % 3 == 0) {           //if this condition satisfied then print below statement

                System.out.println("Fizz");

            }else if(i % 5 == 0) {           //else if execute the below statement
                System.out.println("Buzz");
            }else {                          //otherwise else condition will execute
                System.out.println(i);
            }
        }
    }

}
```

Program:- Add Binary Number

```java
package com.ishwarchavan;
import java .util.Scanner;

public class Add_Binary {

    public static void main(String[] args) { //main program started

        Scanner sc=new Scanner(System.in);       //taking input from user

        System.out.println("Input first binary number: ");   //first input
        String x = sc.next();
        System.out.println("Input second binary number: ");  //second input
        String y = sc.next();

        int n1= Integer.parseInt(x,2);     //converting string into binary
        int n2= Integer.parseInt(y,2);
        int n3= n1+n2;

        System.out.println("n1 : " + Integer.toBinaryString(n1));  //display the out put by println function

        System.out.println("n2 : " + Integer.toBinaryString(n2));

        System.out.println("n3=n1+n2 : " + Integer.toBinaryString(n3));
    }
}
```

Program:- Add Binary Number

```java
package com.ishwarchavan;

import java.util.Scanner;

public class Happy_Number {

    public static void main(String[] args) {  //main program started
        Scanner sc= new Scanner(System.in);         //new scanner object created
        System.out.println("Input : ");             //taking input from user
        int num = sc.nextInt();

        int sum =0;                 //declaring and initialize value
        int copy =num;

        while(copy > 9) {           //if this while condition is true then nested while
loop will check
            while(copy >0) {
                int mod = copy % 10;
                sum = sum +(int) Math.pow( mod,2);          //math function is
applying
                copy= copy / 10;
            }
            copy = sum;         //assining sum value to the copy
            sum =0;

        }
        if(copy == 1) {                 //if this is true then print below statment
            System.out.println("Happy Number : "+ num);

        }else {                             //otherwise execute below statement
            System.out.println(" Not Happy Number : "+ num);

        }

    }

}
```