Exp: 16 × Application

Aim: To convert the decimal number to its equivalent binary number and octal number and the output values verified using Assert code

Program:

```
Import static org.junit.Assert.assertTrue;
Import java.util.Scanner;
Class Binary
{
    public static void main (String[] args)
    { Scanner in = new Scanner (System.in);
    int decimal = in.nextInt();
    String binary = Integer.toBinaryString (decimal);

    System out.println ("BINARY IS" + binary);
    System out.print ("OCTAL IS");
    System out.println (Integer.toOctalString (decimal));
    assertTrue (14 == decimal);

    }
}
```

Output

Input	Expected Output
14	BINARY IS 1110 OCTAL is 16

Input	Expected Output
15	BINARY IS 1111 OCTAL IS 17