Code at Random
(OPC) PVT. LTD.

Module 4: If-Else Programming

Programs to practice

1. WAP to input a number from the user and check whether it is positive or negative.
2. WAP to input a number and check even or odd.
3. WAP to input the age from the user and check whether the age is 18 or more. If the age is greater than 18 then print “You are eligible for voting”, otherwise print “You are not eligible for voting”.
4. WAP to input a number from the user and check whether it lies under 100. If the number is under 100 then print “Number is under 100” else print “Number is not under 100”.
5. WAP to input the number from the user and check whether it is equal to 40. If it is 40 then increment the value of the number by 7 and print it, otherwise print the original value.

Solution of the above programs

1. WAP to input a number and check positive or negative.

```
import java.util.*;
class positive_negative
{
   public static void main(String Args[])
   {
      int a;
      Scanner sc= new Scanner(System.in);
      a= sc.nextInt();
      if(a>=0)
      {
         System.out.println("Number is positive");
      }
      else
      {
         System.out.println("Number is negative");
      }
   }
}
```

2. WAP to input a number and check even or odd.

```
import java.util.*;
class even_odd
{
 public static void main(String Args[])
   {
      int a;
      Scanner sc= new Scanner(System.in);
      System.out.println("Enter a number");
      a= sc.nextInt();
      if(a%2==0)
      {
         System.out.println("Number is even");
      }
      else
      {
         System.out.println("Number is odd");
      }
   }
}
```

Solution of the above programs

3. WAP to input the age from the user and check whether the age is 18 or more. If the age is greater than 18 then print "You are eligible for voting", otherwise print "You are not eligible for voting".

```
import java.util.*;
class age{
 public static void main(String Args[])    {
       int age;
       Scanner sc= new Scanner(System.in);
       age= sc.nextInt();
       if(age>=18)
       {
          System.out.println("You are eligible for voting");
       }
       else
       {
          System.out.println(" You are not eligible for voting ");
       }
    }
}
```

2. WAP to input a number from the user and check whether it lies under 100. If the number is under 100 then print "Number is under 100" else print "Number is not under 100".

```
import java.util.*;
class under100 {
   public static void main(String Args[])    {
       int n;
       Scanner sc= new Scanner(System.in);
       n= sc.nextInt();
       if(n<100)
       {
          System.out.println("Number is under 100");
       }
       else
       {
          System.out.println("Number is not under 100");
       }
    }
}
```

Solution of the above programs

5. WAP to input the number from the user and check whether it is equal to 40. If it is 40 then increment the value of the number by 7 and print it, otherwise print the original value.

```
import java.util.*;
class number{
 public static void main(String Args[])    {
       int n;
       Scanner sc= new Scanner(System.in);
       n= sc.nextInt();
       if(n==40)
       {
          System.out.println(n+7);
       }
       else
       {
          System.out.println(n);
       }
    }
}
```