```java
import java.io.*;
public class Main
    {
    public static void main(String[] args)thro
            {
                BufferedReader br=new BufferedReac
                System.out.println("Host_name:E.Ha
                System.out.print("Enter a number :
                int n = Integer.parseInt(br.readLi
                int copy = n, a = 0, sum = 0;
                String b = Integer.toString(n);
                int len = b.length();

                while(copy>0)
                {
                    a = copy % 10;
                    sum = sum + (int)Math.pow(a,le
                    len--;
                    copy = copy / 10;
                }

                if(sum == n)
                    System.out.println(n+" is a Di
                else
                    System.out.println(n+" is not
            }
    }
```

```
Host_name:E.Haneesha
SAP_ID:51834630
Enter a number : 5
5 is a Disarium Number.

Process finished.
```

```java
import java.util.Arrays;

public class Main
{
    private static void sortBinaryArray(int[]
    {
        int zeroCount = 0;

        System.out.println("Host_name:E.Haneesh
        System.out.println("Input Array Before

        for (int n = 0; n < inputArray.length;
        {
            if (inputArray[n] == 0)
            {
                zeroCount++;
            }
        }


        for (int n = 0; n < zeroCount; n++)
        {
            inputArray[n] = 0;
        }


        for (int n = zeroCount; n < inputArray.
        {
            inputArray[n] = 1;
        }

        System.out.println("Input Array After S
    }

    public static void main(String[] args)
    {
        sortBinaryArray(new int[] {1, 0, 1, 1,
    }
}
```

```
Host_name:E.Haneesha
SAP_ID:51834630
Input Array Before Sorting : [1, 0, 1, 1, 0
Input Array After Sorting : [0, 0, 0, 0, 1,

Process finished.
```

```java
import java.util.Scanner;
class Main
{
    public static int[] replaceNum(int num,int
    {
        int d[]=new int[length];
        for(int i=0;i<length;i++)
        {
            d[i]=num%10;
            num=num/10;
        }
        for(int i=0;i<length;i++)
        {
            if(d[i]==num1)
            {
                d[i]=num2;

            }
        }
        return d;
    }
    public static int length(int num)
    {
        int length=0;
        int temp=num;
        while(temp>0)
        {
            temp=temp/10;
            length++;
        }
        return length;
    }
    public static void main (String[] args) {
        Scanner sc=new Scanner(System.in);
        System.out.println("Host_name:E.Hanees
        System.out.print("\nEnter a number: ")
        int n=sc.nextInt();
        System.out.print("Enter a number to re
        int num1=sc.nextInt();
        System.out.print("Enter a number to re
        int num2=sc.nextInt();
        int length=length(n);
```

```java
            if(d[i]==num1)
            {
                d[i]=num2;

            }
        }
        return d;
    }
    public static int length(int num)
    {
        int length=0;
        int temp=num;
        while(temp>0)
        {
            temp=temp/10;
            length++;
        }
        return length;
    }
    public static void main (String[] args) {
        Scanner sc=new Scanner(System.in);
        System.out.println("Host_name;E.Hanees
        System.out.print("\nEnter a number: ")
        int n=sc.nextInt();
        System.out.print("Enter a number to re
        int num1=sc.nextInt();
        System.out.print("Enter a number to re
        int num2=sc.nextInt();
        int length=length(n);
        int[]d=replaceNum(n, length, num1, num
        System.out.println("\nNumber after the
        for(int i=length-1;i>=0;i--)
        {
            System.out.print(d[i]);
        }
    }
}
```

```
Host_name:E.Haneesha
 Sap_id:51834630

Enter a number: 5
Enter a number to replace: 3
Enter a number to replace with: 2

Number after the digit is replaced...
5
Process finished.
```

```java
public class Main
{
    public static int binarySearch(int[] M, in
    {
        if (left > right) {
            return -1;
        }


        int mid = (left + right) / 2;

        if (n == M[mid]) {
            return mid;
        }

        else if (n < M[mid]) {
            return binarySearch(M, left, mid -
        }

        else {
            return binarySearch(M, mid + 1, ri
        }
    }

    public static void main(String[] args)
    {
        int[] M = { 2, 5, 6, 8, 9, 10 };
        int key = 3;

        int left = 0;
        int right = M.length - 1;

        int index = binarySearch(M, left, righ

        System.out.println("Host_name:E.Hanee
        if (index != -1) {
            System.out.println("Element found
        } else {
            System.out.println("Element not fo
        }
    }
}
```

```
Host_name:E.Haneesha
Sap_id:51834630
Element not found in the array

Process finished.
```

Attempts allowed: 1

This quiz closed on Thursday, 23 July 2020, 4:00 PM

Time limit: 30 mins

SUMMARY OF YOUR PREVIOUS ATTEMPTS

State	Marks / 20.00	Grade / 10.00	Review
Finished Submitted Thursday, 23 July 2020, 3:55 PM	6.00	3.00	Not permitted

YOUR FINAL GRADE FOR THIS QUIZ IS 3.00/10.00.