NAME:ROHAN NYATI

SAP ID:500075940

ROLL NO.: R177219148

BATCH-5(AI&ML)

EXPERIMENT NO-8

TITLE: String handling

1. Write a program for searching strings for the first occurrence of a character or substring and for the last occurrence of a character or substring.

CODE

```
package rohan;
import java.util.*;
class SearchString
public static void main(String args[])
int len1,len2,last=0;
Scanner sc=new Scanner(System.in);
System.out.println("Enter the string:");
String s1=sc.nextLine();
System.out.println("Enter searching string:");
String s2=sc.nextLine();
len1=s1.length();
len2=s2.length();
for(int i=0;i<=(len1-len2);i++)
 if(s1.substring(i,len2+i).equals(s2))
    if(last==0)
    System.out.println("first occurance is at possition:"+(i+1));
    last=i+1:
 }
if(last!=0)
System.out.println("last occurance is at possition:"+last);
else
System.out.println("the string is not found");
```

OUTPUT

2. Write a program that converts all characters of a string in capital letters. (Use StringBuffer to store a string). Don't use inbuilt function.

CODE

```
}
```

OUTPUT

3. Write a program in Java to read a statement from console, convert it into upper case and again print on console. (Don't use inbuilt function)

CODE

```
package rohan;
import java.io.*;
public class Console
{
    public static void main(String a[]) throws IOException
    {
        DataInputStream in=new DataInputStream(System.in);
        System.out.println("Enter file Statement:");
        String s1=in.readLine();
        System.out.println(s1.toUpperCase());
    }
}
```

OUTPUT

4. Write a program in Java to create a String object. Initialize this object with your name. Find the length of your name using the appropriate String method. Find whether the character 'a' is in your name or not; if yes find the number of times 'a' appears in your name. Print locations of occurrences of 'a' .Try the same for different String object

CODE

```
package rohan;
public class DataString
{
public static void main(String args[])
{
Data d1=new Data("aviral mehra");
d1.disp();
Data d2=new Data("aman mehra");
d2.disp();
}
class Data
{
String name;
Data(String n)
```

```
{
            name=n;
void disp()
System.out.println("Name:"+name);
int c=0;
int len=name.length();
for(int i=0;i<len;i++)</pre>
if(name.charAt(i)=='A'||name.charAt(i)=='a')
   c++;
   System.out.println("number of occurance :"+c);
   System.out.println("Possition:"+(i+1));
if(c==0)
System.out.println("there is no 'A' available in the string");
OUTPUT
     public class DataString
      public static void main(String args[])
   5 {
6 Data d1=new Data("aviral mehra");
7 d1.disp();
8 Data d2=new Data("aman mehra");
   9 d2.disp();
 11 }
12 class Data
 13 {
14 String name;
15⊕ Data(String n)
         name=n:
 18 }
19 void disp()
 20 {
Markers ☐ Properties ₩ Servers 🏙 Data Source Explorer 🖺 Snippets 📮 Console 🛭
                                                                                                 <terminated> DataString [Java Application] C:\Program Files\Java\jre-10.0.2\bin\javaw.exe (Sep 24, 2020, 12:07:38 PM)
Name :aviral mehra
number of occurance :1
Possition :1
number of occurance :2
number of occurance :2
Possition :5
number of occurance :3
Possition :12
Name :aman mehra
number of occurance :1
Possition :1
number of occurance :2
Possition :3
number of occurance :3
Possition :10
```