9. Program for String Operations

Objective: To learn String Operations

Description and Code: Create a java file and save it as Program9.java and put following code into this file: -

```
public class Program9

{

public static void main(String[] args)

{

String str = "Manipal University, Jaipur";

int len = str.length();

System.out.println("The length of the txt string is: " + len);


System.out.println("-------------------------------------------");


System.out.println(str.toUpperCase());


System.out.println("-------------------------------------------");



System.out.println(str.toLowerCase());
```

```java
System.out.println("-------------------------------------------");
```

```java
System.out.println(str.indexOf("U"));
```

```java
System.out.println("-------------------------------------------");
```

```java
String Name1 = "Jaipur";

String Name2 = "University";

System.out.println(Name1 + " " + Name2);
```

```java
System.out.println("-------------------------------------------");
```

```java
System.out.println(Name1.concat(Name2));
```

```java
System.out.println("-------------------------------------------");
```

```java
String str1 = "    Manipal University, Jaipur   ";
```

```
str1 = str1.trim();

System.out.println(str1);


System.out.println("-------------------------------------------");


String str2 = "It is car";


String replace=str2.replace('c','j'); //replaces all occurrences of 'c' to 'j'

System.out.println(replace);


System.out.println("-------------------------------------------");


replace=str2.replace("car", "good");   //replaces all occurrences of  "car" to "good"

System.out.println(replace);


System.out.println("-------------------------------------------");


  String s1="Car";

  String s2="Car";

  String s3=new String("Good");
```

```
String s4="Jar";


  System.out.println(s1.equals(s2));

  System.out.println(s1.equals(s3));

  System.out.println(s1.equals(s4));



System.out.println("-------------------------------------------");



  s1="CAR";

  s2="car";



  System.out.println(s1.equals(s2));



  System.out.println(s1.equalsIgnoreCase(s2));



  System.out.println("-------------------------------------------");



    str = "Manipal University, Jaipur";

    int index = str.indexOf('p');

    System.out.println("Index of the letter p : "+index);
```

```
int firstIndex = str.indexOf("Uni");

System.out.println("First occurrence of char U"+

        " is found at : " + firstIndex);



}

}
```

Expected Output:

The length of the txt string is: 26

MANIPAL UNIVERSITY, JAIPUR

----

manipal university, jaipur

8

Jaipur University

JaipurUniversity

Manipal University, Jaipur

It is jar

It is good

----

true

false

false

----

false

true

Index of the letter p : 4

First occurrence of char U is found at : 8