Assignment NO-1

Name - shreyar Bhoyar ROII NO - TECOD453 (D3)

Aim: Write a JAVA 1 Cttl Python program that contains a string (char pointer) with a value 1 Hello world.

The program should contain AND OR, XOR each character in this string with 127 and display result

Theory -

as string - the string is one-dimensional array of characters terminated by a null. Each fevery character in the array consumes one byte of memory, and last characters is always null which is always used to identify how string ends string declarate is always done by -

1. By string literal

operations:

ay AND operation - The binary and AND will produced

1 OIP only when both inputs are 1. Eve it

produce an O OIP

A B ANB &

O O O

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CIASSMACE

conclusion - we performed AND OR XOR operations on string = "Helloworld"

```
Main.java
                                                                           Run
   // Use this editor to write, compile and run your Java code online
    class HelloWorld {
       public static void main(String args[])
            String input="Hello World";
            System.out.print("Hello World characters' AND operation with 127 "
            for(int i=0;i<input.length();i++)</pre>
10
11 -
                int res=(input.charAt(i))&127;
12
13
                System.out.print(Character.toString(res));
14
15
            System.out.println();
16
17
18
            System.out.print("Hello World characters' XOR operation with 127 "
                );
19
            for(int i=0;i<input.length();i++)</pre>
20 -
21
                    int res=(input.charAt(i))^127;
                System.out.print(Character.toString(res)) ;
22
23
```

## Output

```
java -cp /tmp/EwXVHUWdJ1 HelloWorld
Hello World characters' AND operation with 127 Hello World
Hello World characters' XOR operation with 127 7...._(.
```