

# **OPERATING SYSTEMS**

Name: Vanya Ahmed Siddiqui.

Section: BSCS-01(B)

REG# 200901095.



### TASK\_1

### **CODE:**

```
y = input str.upper()
thread1.start()
```

#### **OUTPUT:**

```
ENTER YOUR STRING

vanya

THIS IS WILL SHOW THE RESULT OF THE STRING IN A REVERSED FORM aynav

THIS WILL SHOW THE STRING IN UPPER CASE LETTERS

VANYA

THIS WOULD SHIFT THE STRING

xcp{c
```

### **EXPLANATION:**

In this program we have created 4 threads input, reversed, capitalize and shift.

## • PROCESS OF CODE:

The code will process in the following way:

- 1. Creating function of input thread "that would take the input of the string from the user". We have defined that string variable as a global variable.
- 2. Creating reverse function. The reversed function would reverse the string that the user has given.
- 3. Creating capitalize function. The input string given by the user would be capitalized using upper () command. This would automatically convert the string in upper case letters.
- 4. Creating shift function. In this function we have shifted each character within 2 position ahead. Using the ord command (function returns the number representing the Unicode code of a specified character).
- 5. We have created the main and have created thread targeting each functions.
- 6. Then we have joined the thread using join () command and start the thread using start () command.
- 7. The output of the code is shown above.