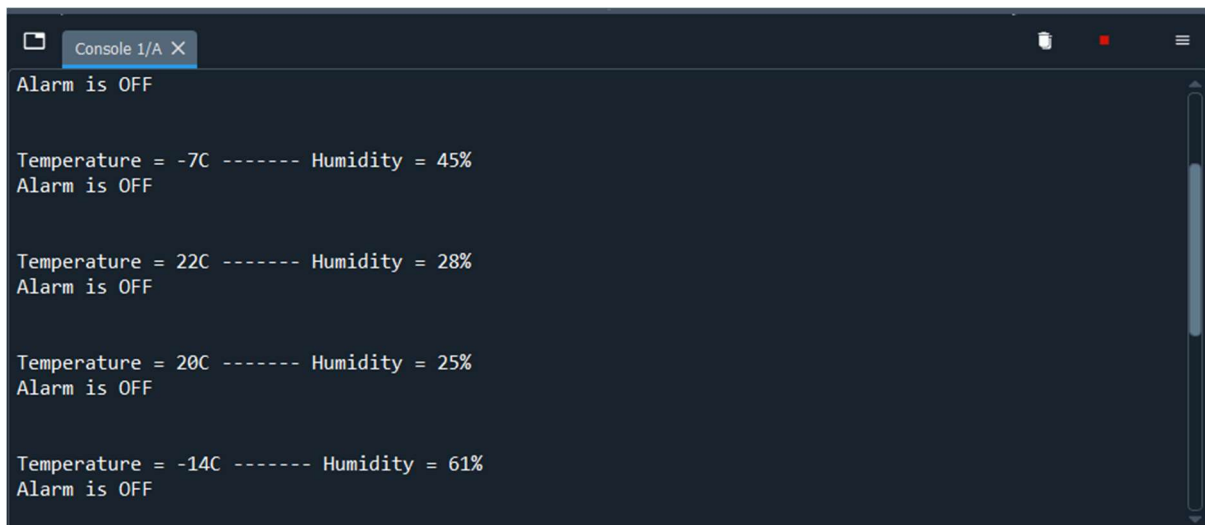# ASSIGNMENT 2

QUESTION:

Build a python code, Assume you get temperature and humidity values(generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature.

PROGRAM:

```python
import random
import winsound
import time


while True:
    temperature =random.randint(-68,49)
    humidity = random.randint(0,100)
    print(f"Temperature = {temperature}C ------- Humidity = {humidity}%")
    if temperature>35 and humidity >50:
        for i in range(10):
            winsound.Beep(1000,10)
        print("Alarm is ON")
    else:
        print("Alarm is OFF")
    time.sleep(5)

    print()
    print()
```

OUTPUT:

```
Console 1/A X
Alarm is OFF


Temperature = -7C ------- Humidity = 45%
Alarm is OFF


Temperature = 22C ------- Humidity = 28%
Alarm is OFF


Temperature = 20C ------- Humidity = 25%
Alarm is OFF


Temperature = -14C ------- Humidity = 61%
Alarm is OFF
```

MALAVIKA M