IoT Assignment 2

★Build Python code, Generate Temperature and Humidity values (Use Random function to generate values) and write a condition to detect an alarm in case of high temperature and high Humidity.

SOLUTION:

```python
import machine
import time
import random

led_pin = machine.Pin(2, machine.Pin.OUT)
buzzer_pin = machine.Pin(4, machine.Pin.OUT)

temp = random.randint(0, 100)
humidity = random.randint(0, 100)

if temp > 30:
    print("High temperature detected!")

    led_pin.on()
    buzzer_pin.on()
    time.sleep(0.5)
    led_pin.off()
    buzzer_pin.off()

if humidity > 70:
    print("High humidity detected!")

    led_pin.on()
    buzzer_pin.on()
    time.sleep(0.5)
    led_pin.off()
    buzzer_pin.off()
```