**Assignment -2**

Python Programming

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| Assignment Date | 21 September 2022 |
| Student Name | Mr. Sudarshan A R |
| Student Roll Number | 2019504594 |
| Maximum Marks | 2 Marks |

**Question-1:**

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.

## Solution:

import RPi.GPIO as GPIO

import time

GPIO.setmode(GPIO.BCM)

GPIO.setwarnings(False)

GPIO.setup(14,GPIO.OUT)

# While loop

while True:

# set GPIO14 pin to HIGH

GPIO.output(14,GPIO.HIGH)

# show message to Terminal

print "LED is now ON"

# pause for two seconds

time.sleep(2)

# set GPIO14 pin to HIGH

GPIO.output(14,GPIO.LOW)

# show message to Terminal

print "LED is now OFF"

# pause for two seconds

time.sleep(2)

