**ASSINGNMENT 2**

**Build a python code , Assume u 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 time

import board

import adafruit\_dht

import psutil

# We first check if a libgpiod process is running. If yes, we kill it!

for proc in psutil.process\_iter():

if proc.name() == 'libgpiod\_pulsein' or proc.name() == 'libgpiod\_pulsei':

proc.kill()

sensor = adafruit\_dht.DHT11(board.D23)

while True:

try:

temp = sensor.temperature

humidity = sensor.humidity

print("Temperature: {}\*C Humidity: {}% ".format(temp, humidity))

except RuntimeError as error:

print(error.args[0])

time.sleep(2.0)

continue

except Exception as error:

sensor.exit()

raise error

time.sleep(2.0)

