Assignment -2

High Temperature Detector

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**Problem:**

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

**Code:**

import random

from time import sleep

def generate\_values():

temperature = random.randint(10, 50)

humidity = random.randint(10, temperature)

return humidity, temperature

humidity = temperature = 0

i=0

while i<=10:

humidity, temperature = generate\_values()

print('Humidity:', humidity, 'Temperature:', temperature)

if temperature>=30:

print('Alarm Activated : High Temperature Detected\n')

i=i+1

sleep(0.10)

**Output :**

**Text

Description automatically generated**