**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:

**# Imports**

**import random**

**high\_temp = 60 # Threshold for high temperature**

**while True: # Continuously generate temperature and humidity**

**temp = random.randrange(20, 81) # Temperature between 20'C and 80'C**

**humidity = random.randrange(0, 101) # Humidity**

**if temp > high\_temp:**

**alarm = 'on'**

**else:**

**alarm = 'off'**

**print('Alarm: ', alarm)**

