**Assignment -2**

Python Programming

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| Assignment Date | 24 September 2022 |
| Student Name | Srinivasan N |
| Student Roll Number | 737819ITR094 |
| Maximum Marks | 10 Marks |

**Question-1:**

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 random

import time

while (1):

Temperature = random.randint(0,150)

Humidity = random.randint(0,100)

if Temperature > 100 and Humidity > 80:

print("Temperature : " + str(Temperature))

print("Humidity : " + str(Humidity))

print("Temperature and Humidity is High")

print("Alarm On !!!")

time.sleep(2)

else:

print("Temperature : " + str(Temperature))

print("Humidity : " + str(Humidity))

print("Range is Normal")

print("")

**Output:**

