**Assignment -2**

Python Programming

| Assignment Date | 3 October 2022 |
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| Student Name | Mahalakshmi M K |
| Student Roll Number | 722819104072 |
| Maximum Marks | 2 Marks |

**Question-1:**

Build a python code, Assume u get temperature and humidity values (generated with a random function to a variable) and write a condition to detect an alarm in case of high temperature continuously.

**SOLUTION :**

import random

def alert(mesg):

print(mesg)

def read\_humidity\_from\_sensor():

return random.randint(10, 100)

def read\_temperature\_from\_sensor():

return random.randint(-100, 100)

def start\_tracking():

while True:

temperature = read\_temperature\_from\_sensor()

humidity = read\_humidity\_from\_sensor()

if temperature >= 40:

alert("High Temperature")

elif temperature <= 25 and temperature >= 10:

alert("Low Temperature")

elif temperature <= 10:

alert("Very Low Temperature")

else:

alert("Normal Temperature")

if humidity >= 80:

alert("Very High Humidity")

elif humidity >= 50:

alert("High Humidity")

elif humidity <= 30:

alert("Low Humidity")

else:

alert("Moderate Humidity")

if name == "main":

start\_tracking()