**ASSIGNMENT- 2**

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| **Team ID** | **PNT2022TMID41871** |
| **project** | **Real time river water quality monitoring and control system** |
| **Maximum Marks** | **2Marks** |

**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.**

import the random and time library in python script.

import random

import time

# iterate the random values of Temperature and humidity within the specified range.

while True:

temperature = random.randint(32, 212)

humidity = random.randint(0, 100)

#print the values of Temperature and humidity.

print("Temperature is : "+str(temperature)+"°F")

print("Temperature in celsius : "+str(((temperature-32)\*5)//9)+"℃")

print("The Humidity is : "+str(humidity)+"%")

# check if the temperature values are higher than 100°F.

if (temperature >= 100):

print("High Temperature Alert : "+str(temperature)+"°F")

time.sleep(10)

