

Assignment -2
Python Programming

Assignment Date	28 September 2022
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Maximum Marks	2 Marks
Team ID	PNT2022TMID30278

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

Code:

```
import random
print("Welcome to Temperature Detector Using IOT\n")

temperatures = int(random.randint(35,125))

Humidity = int(random.randint(0, 109))
if(temperatures >=-40) and (temperatures <= -1):
    print("Low Temperature,Cold ")
    print("Humidity Level (Humidity)")
elif(temperatures >= 1) and (temperatures <= 20):
    print("Cold Breeze..")
    print("Humidity Level {Humidity}%")

elif(temperatures>=21 and temperatures <= 29 ):
    print("Normal Temperature")
    print(f"Humidity Level {Humidity}%")

elif(temperatures>=30 and temperatures <= 54):
    print("Temperature is High")
    print("Humidity Level (Humidity)s")
else:
    print("Ufff Hot")
    print("Humidity Level 0")
```

Output:

```
Welcome to Temperature Detector Using IOT

Temperature is High
Humidity Level (Humidity)s
> |
```