

ASSIGNMENT – 2

Python Coding

Assignment Date	17 th September, 2022
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Register Number	2019504016
Maximum Marks	2Marks

Question

Built a python code assume you get the temperature and humidity values (generated with random function to a variable) write a condition to continuously detect alarm in case of high temperature.

Solution

```
import random
import time
i=0
while(i<5):
    temperature=random.randint(20, 30)
    print("Temperature is ",temperature,"degree celsius")
    Humidity=random.randint(30, 40)
    print("Humidity is ",Humidity,"Percentage")
    if (temperature>=24):
        print("Temperature is high")
        print("Alarm on")
```

else:

print("Alarm off")

i=i+1

time.sleep(3)

Result

```
Temperature is 29 degree celsius
Humidity is 34 Percentage
Temperature is high
Alarm on
Temperature is 23 degree celsius
Humidity is 36 Percentage
Alarm off
Temperature is 21 degree celsius
Humidity is 40 Percentage
Alarm off
Temperature is 22 degree celsius
Humidity is 34 Percentage
Alarm off
Temperature is 26 degree celsius
Humidity is 36 Percentage
Temperature is high
Alarm on
```