

IOT BASED SMART FARMING -ASSIGNMENT 2

SUBMITTED BY SINDHUJA B (113219031141)

BACHELOR OF ENGINEERING IN COMPUTER SCIENCE AND ENGINEERING

Build a python code, assume you 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

temperature= random.randint(0,200)
humidity= random.randint(0,100)
print("The recorded temperature in fahrenheit =",temperature)
print("The recorded humidity in percentage =",humidity)
if(temperature >135 or humidity>50):
    print("Fire alert-Alarm on")
else:
    print("Alarm Off")
```

OUTPUT:

CASE 1: ALARM ON:

```
[Success] Your code was executed successfully
```

```
The recorded temperature in fahrenheit = 105
```

```
The recorded humidity in percentage = 66
```

```
Fire alert-Alarm on
```

CASE 2: ALARM OFF

[Success] Your code was executed successfully

The recorded temperature in fahrenheit = 79

The recorded humidity in percentage = 38

Alarm Off