

IOT BASED SMART FARMING-ASSINGMENT 2

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Build a python code, assume you get temperature and humidity values(generated with random function to a variable) and write a condition to continuously detected 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):
```

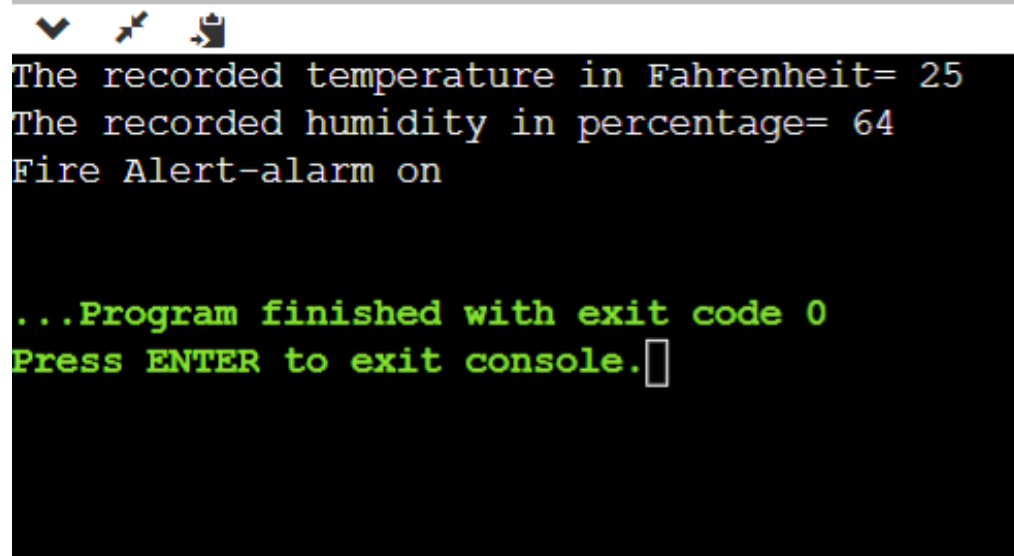
```
print("Fire Alert-alarm on")
```

```
else:
```

```
print("Alarm off")
```

OUTPUT:

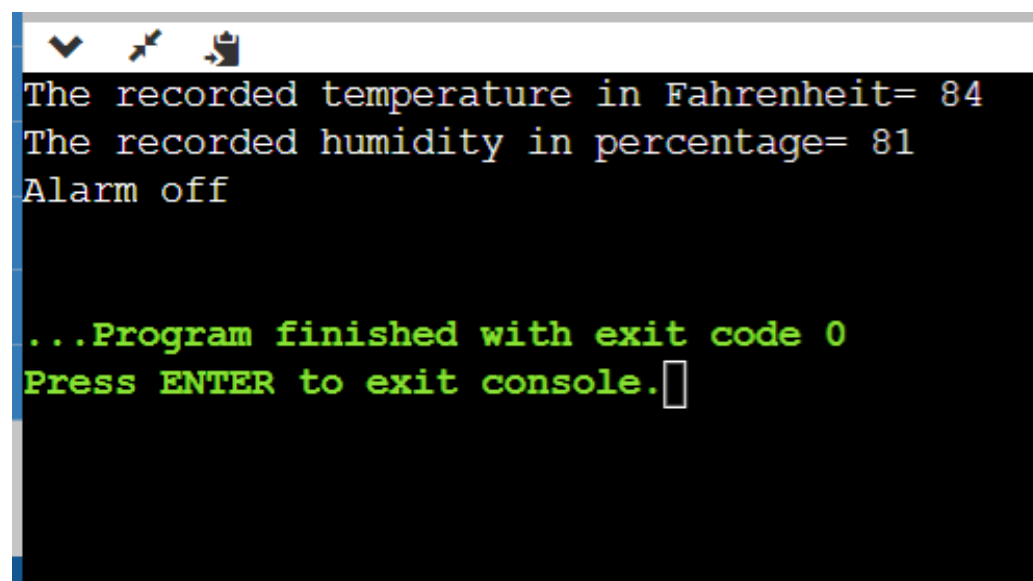
CASE 1: ALRAM-ON

A terminal window with a dark background and light green text. At the top, there are three small icons: a checkmark, a cursor, and a document. The text in the terminal reads: "The recorded temperature in Fahrenheit= 25", "The recorded humidity in percentage= 64", "Fire Alert-alarm on", "...Program finished with exit code 0", and "Press ENTER to exit console." followed by a cursor icon.

```
The recorded temperature in Fahrenheit= 25
The recorded humidity in percentage= 64
Fire Alert-alarm on

...Program finished with exit code 0
Press ENTER to exit console.
```

CASE 2: ALRAM-OFF

A terminal window with a dark background and light green text. At the top, there are three small icons: a checkmark, a cursor, and a document. The text in the terminal reads: "The recorded temperature in Fahrenheit= 84", "The recorded humidity in percentage= 81", "Alarm off", "...Program finished with exit code 0", and "Press ENTER to exit console." followed by a cursor icon.

```
The recorded temperature in Fahrenheit= 84
The recorded humidity in percentage= 81
Alarm off

...Program finished with exit code 0
Press ENTER to exit console.
```