

Arunachala College of Engineering for Women, Manavilai

Department of Electronics and Communication Engineering

Nalaya Thiran IOT Assignment

Domain:IoT Enabled Smartfarming application

Topic : Assignment on temperature and humidity sensing and alarm automation using python

Name: Thanya.S

Code:- **import**

random

while(True):

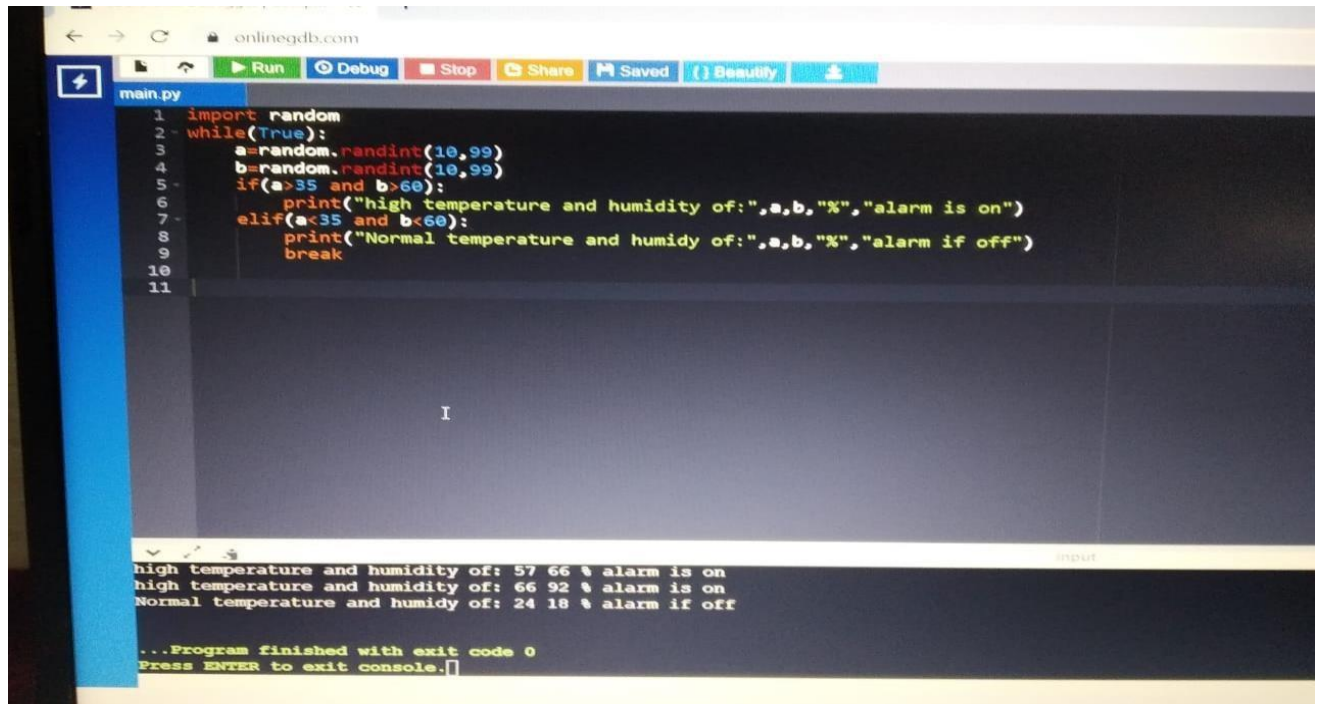
a=random.randint(10,99)

b=random.randint(10,99) if(a>35 and b>60):

**print("high temprature and humidity
of:",a,b,"%", "alarm is on") elif(a<35 and
b<60):**

**print("Normal temprature and humidity
of:",a,b,"%", "alarm is off") break**

Output:-



The image shows a web browser window with the URL `onlinegdb.com`. The browser's address bar and navigation buttons are visible at the top. Below the browser window is a toolbar with buttons for `Run`, `Debug`, `Stop`, `Share`, `Saved`, `Beautify`, and a user icon. The main area of the IDE is a dark-themed editor with a file named `main.py` open. The code in the editor is as follows:

```
1 import random
2 while(True):
3     a=random.randint(10,99)
4     b=random.randint(10,99)
5     if(a>35 and b>60):
6         print("high temperature and humidity of:",a,b,"%","alarm is on")
7     elif(a<35 and b<60):
8         print("Normal temperature and humidity of:",a,b,"%","alarm if off")
9         break
10
11
```

Below the editor is a console window. It displays the output of the program, which consists of three lines of text, each followed by a newline character. The output is:

```
high temperature and humidity of: 57 66 % alarm is on
high temperature and humidity of: 66 92 % alarm is on
Normal temperature and humidity of: 24 18 % alarm if off
```

At the bottom of the console, it says "...Program finished with exit code 0" and "Press ENTER to exit console." followed by a cursor.