

ASSIGNMENT 2

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| Date | 24 September 2022 |
| Team ID | PNT2022TMID21342 |
| Name | Gunal L |
| Project Name | Project – Smart Farmer-IoT Enabled Smart Farming Application |
| Maximum Marks | 2 Marks |

PROGRAM

```
import random

while(True):

    a=random.randint(10,100)

    b=random.randint(10,100)

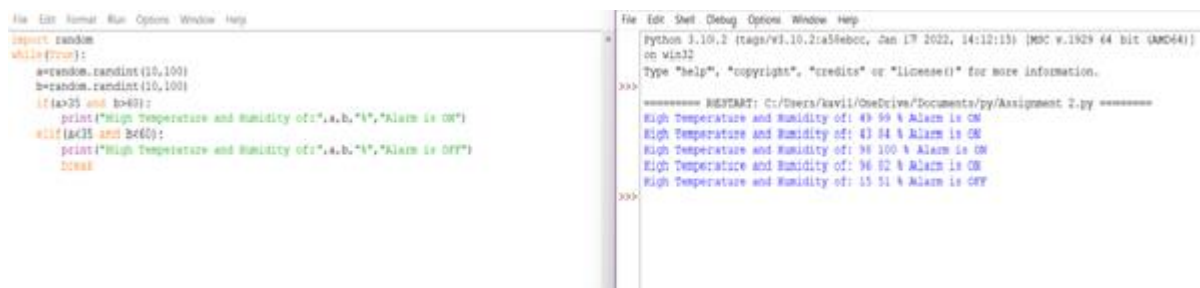
    if(a>35 and b>60):

print("High Temperature and Humidity of:",a,b,"%","Alarm is ON")

    elif(a<35 and b<60):

print("High Temperature and Humidity of:",a,b,"%","Alarm is OFF")

    break
```



The screenshot displays a Python IDE with two windows. The left window shows the source code for a program that generates random temperature and humidity values and prints an alarm status based on specific thresholds. The right window shows the output of the program, which includes a restart message and five lines of generated data and alarm status.

```
File Edit Format Run Options Window Help
import random
while(True):
    a=random.randint(10,100)
    b=random.randint(10,100)
    if(a>35 and b>60):
        print("High Temperature and Humidity of:",a,b,"%","Alarm is ON")
    elif(a<35 and b<60):
        print("High Temperature and Humidity of:",a,b,"%","Alarm is OFF")
    break
```

```
File Edit Shell Debug Options Window Help
Python 3.10.2 (tags/v3.10.2:8a5e8ec, Jan 17 2022, 14:12:13) [AMD64] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/kavii/OneDrive/Documents/py/Assignment 2.py =====
High Temperature and Humidity of: 49 59 % Alarm is ON
High Temperature and Humidity of: 43 84 % Alarm is ON
High Temperature and Humidity of: 98 100 % Alarm is ON
High Temperature and Humidity of: 96 52 % Alarm is ON
High Temperature and Humidity of: 15 51 % Alarm is OFF
>>>
```