

ASSIGNMENT 2

Date	24 September 2022
Team ID	PNT2022TMID44170
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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)
```

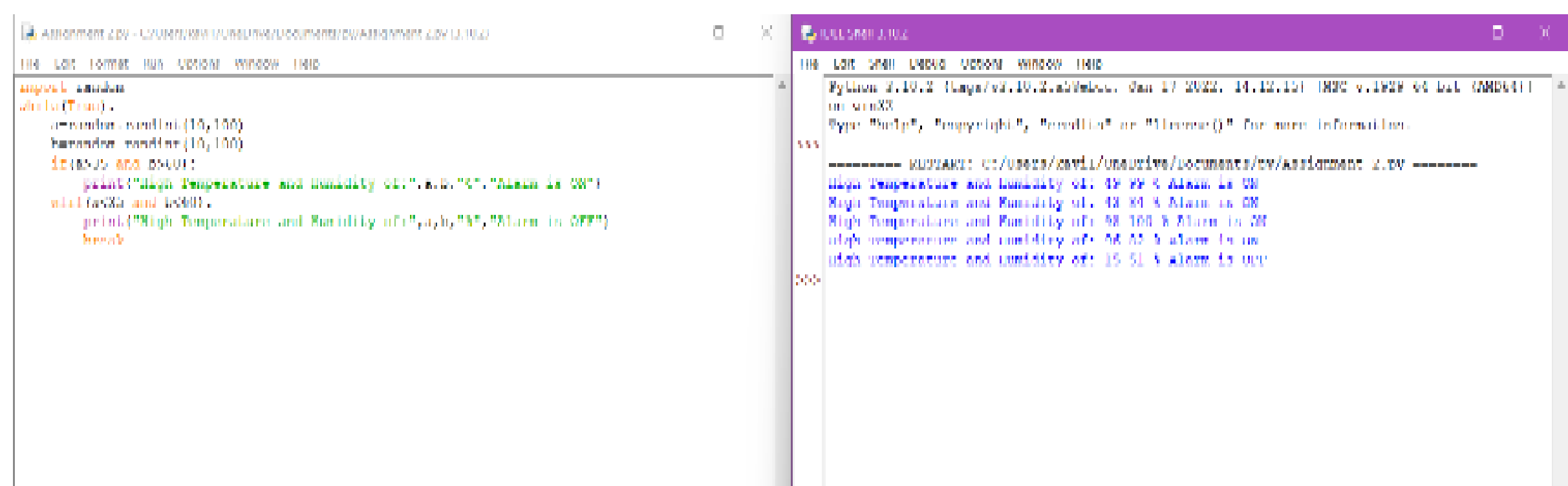
```
    if(a>35 and b>60):
```

```
        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 image shows two side-by-side windows from a Windows operating system. The left window, titled 'ASSIGNMENT 2.VY - C:\Users\ranjani\Documents\ASSIGNMENT 2.VY (1).VY', displays a Python script. The script imports the 'random' module and enters a 'while(True):' loop. Inside the loop, it generates two random integers 'a' and 'b' between 10 and 100. It then checks if 'a > 35 and b > 60'. If true, it prints 'High Temperature and Humidity of: ', followed by the values of 'a' and 'b', a percentage sign, and 'Alarm is ON'. If false, it prints 'High Temperature and Humidity of: ', followed by the values of 'a' and 'b', a percentage sign, and 'Alarm is OFF'. Finally, it uses 'break' to exit the loop. The right window, titled 'SOLU00000002', shows the output of the script. It displays the Python version (3.10.2) and the file path. Below this, it shows the output of the script: 'High Temperature and Humidity of: 48 69 % Alarm is ON', 'High Temperature and Humidity of: 48 69 % Alarm is ON', 'High Temperature and Humidity of: 58 100 % Alarm is ON', and 'High Temperature and Humidity of: 15 51 % Alarm is OFF'.

```
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
```

```
Python 3.10.2 (tags/v3.10.2:ab9bbec, Jan 17 2022, 14:12:10) [AMD64] on win32
Type "help()", "copyright()", "credits()" or "license()" for more information.
>>>
----- PYTHONPATH: C:\Users\ranjani\Documents\py\Assignment 2.VY -----
High Temperature and Humidity of: 48 69 % Alarm is ON
High Temperature and Humidity of: 48 69 % Alarm is ON
High Temperature and Humidity of: 58 100 % Alarm is ON
High Temperature and Humidity of: 15 51 % Alarm is OFF
>>>
```

