

## ASSIGNMENT-2

Assignment Date	24-September-2022
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Student Roll Number	111519104145
Maximum Marks	2 Marks

### Question-1:

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
from time import sleep

def Gen_Val():
    Temp = random.randint(10,50)
    Humid = random.randint(10,Temp)
    return Humid,Temp
Humid = Temp =0
while Temp < 45:
    Humid,Temp = Gen_Val()
    print("Humidity is =",Humid,"Temperature is =",Temp)
    sleep(1)
```

```
print('Temperature increase is detected')
```

## SCREEN SHOT:



The screenshot displays the Programiz Python Online Compiler interface. The top left features the Programiz logo and the text "Python Online Compiler". The top right has a button labeled "Interactive Python Course". The main area is divided into two panels. The left panel, titled "main.py", contains a Python script with the following code:

```
1 import random
2 from time import sleep
3
4 def Gen_Val():
5     Temp = random.randint(10,50)
6     Humid = random.randint(10,Temp)
7     return Humid,Temp
8 Humid = Temp =0
9 while Temp < 45:
10     Humid,Temp = Gen_Val()
11     print("Humidity is =",Humid,"Temperature is =",Temp)
12     sleep(1)
13
14 print('Temperature increase is detected')
```

The right panel, titled "Shell", shows the output of the script:

```
Humidity is = 34 Temperature is = 48
Temperature increase is detected
> |
```

At the bottom right, there is a promotional banner for "Introducing the most interactive Python Course. Learn practically and get certified." with a "Get Started!" button.