

ASSIGNMENT 2

NAME : MANIKANDAN R (TEAM MEMBER 3)

**PROJECT NAME : IOT ENABLED SMART FARMING
APPLICATION**

TEAM ID : PNT2022TMID08320

QUESTION

Build a python code , Assume u get temperature and humidity values (generated with a random function to a variable) and write a condition to continuously detect alarm in a case of high temperature

CODE

```
import random
```

```
while(True):
```

```
    vari_1=random.randint(10,150)
```

```
    vari_2=random.randint(10,150)
```

```
    if(vari_1>40 and vari_2>80):
```

```
        print('Detect High Temperature&Humidity  
of:',vari_1,vari_2,"%","Alarm ON")
```

```
    elif(vari_1<30 and vari_2<80):
```

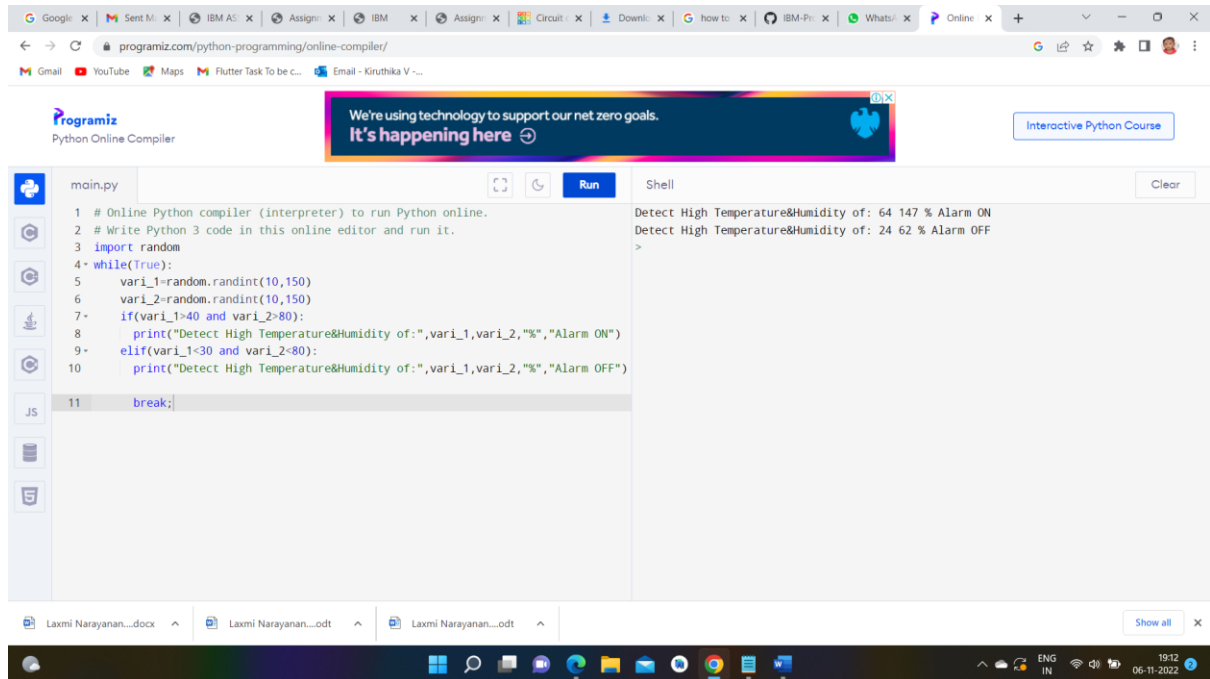
```
        print('Detect High Temperature&Humidity  
of:',vari_1,vari_2,"%","Alarm OFF")
```

```
    break;
```

OUTPUT

Detect High Temperature & Humidity of : 64 147 % Alarm ON

Detect High Temperature & Humidity of : 24 62 % Alarm OFF



The screenshot shows the Programiz Python Online Compiler interface. The browser's address bar displays the URL `programiz.com/python-programming/online-compiler/`. The compiler's header includes the Programiz logo, a tagline "We're using technology to support our net zero goals. It's happening here", and a link to an "Interactive Python Course".

The main editor area is divided into two panes. The left pane, titled "main.py", contains the following Python code:

```
1 # Online Python compiler (interpreter) to run Python online.
2 # Write Python 3 code in this online editor and run it.
3 import random
4 while(True):
5     vari_1=random.randint(10,150)
6     vari_2=random.randint(10,150)
7     if(vari_1>40 and vari_2>80):
8         print("Detect High Temperature&Humidity of:",vari_1,vari_2,"%","Alarm ON")
9     elif(vari_1<30 and vari_2<80):
10        print("Detect High Temperature&Humidity of:",vari_1,vari_2,"%","Alarm OFF")
11        break;
```

The right pane, titled "Shell", displays the output of the code execution:

```
Detect High Temperature&Humidity of: 64 147 % Alarm ON
Detect High Temperature&Humidity of: 24 62 % Alarm OFF
>
```

The bottom of the image shows a Windows taskbar with various application icons and a system tray indicating the time as 19:12 on 06-11-2022.