

VSB ENGINEERING COLLEGE , KARUR
ELECTRONICS AND COMMUNICATION ENGINEERING
ASSIGNMENT - II

TITLE : Industry Specific Intelligent Fire Management
System

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DOMAIN NAME : Internet Of Things

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Assignment Topic :

Assignment on temperature and humidity sensing and alarm.

Code :

```
import random
while(True):
    Temperature=random.randint(10,99)
    Humidity=random.randint(10,99)
    if(Temperature>35 and Humidity>60 ):
        print("High Temperature and Humidity of
:",Temperature,Humidity,"%","Alarm is ON")
    else:
        print("High Temperature and Humidity of
:",Temperature,Humidity,"%","Alarm is OFF")
    Break
```

Output :

The screenshot displays the OnlineGDB web interface. The browser address bar shows `onlinegdb.com/online_python_compiler`. The interface includes a sidebar with navigation links such as "IDE", "My Projects", "Classroom", "Learn Programming", "Programming Questions", "Sign Up", and "Login". The main editor area contains a Python script named `main.py` with the following code:

```
1  """
2
3      Online Python Compiler.
4      Code, Compile, Run and Debug python program online.
5      Write your code in this editor and press "Run" button to execute it.
6
7  """
8
9
10 import random
11 while(True):
12     Temperature=random.randint(10,99)
13     Humidity=random.randint(10,99)
14     if(Temperature>35 and Humidity>60 ):
15         print("High Temperature and Humidity of :",Temperature,Humidity,"%","Alarm is ON")
16     else:
17         print("High Temperature and Humidity of :",Temperature,Humidity,"%","Alarm is OFF")
18         break
19
20
```

Below the code editor is a console window showing the program's output:

```
input
High Temperature and Humidity of : 84 66 % Alarm is ON
High Temperature and Humidity of : 59 87 % Alarm is ON
High Temperature and Humidity of : 95 13 % Alarm is OFF
...Program finished with exit code 0
Press ENTER to exit console.
```

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