

ASSIGNMENT -2

BUILD A PYTHON CODE

Assignment date	28 September 2022
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Maximum mark	2 mark

QUESTION - 2

Build a python code. Assume you get temperature and humidity values and write a condition to continuously detect alarm in case of high temperature

SOLUTION:

CODE:

```
#Temperature and humidity sensing alarm
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
```

OUTPUT:

The screenshot displays the OnlineGDB web interface. On the left is a blue sidebar with the OnlineGDB logo, navigation links (IDE, My Projects, Classroom, Learn Programming, Programming Questions, Sign Up, Login), social media icons (Facebook, Twitter), and footer information. The main area features a code editor with a Python script named 'main.py' that uses a while loop to generate random numbers and print humidity and temperature data. Above the editor are buttons for Run, Debug, Stop, and Share. Below the editor is a terminal window showing the program's output, which includes two lines of data and a completion message. The browser's address bar shows the URL 'onlinegdb.com/online\_python\_compiler'.