

Assignment -2

Python Programming

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Question-1:

Build a python code, assume u 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.

SOLUTION:

```
import random as rd
while 1:

    a=rd.randint(10,100)
    b=rd.randint(10,100)
    If a>=80:
        if b>80:
            print("Hazard")
        else:
            print("High Temp")
        else:
            print("Working Successful")
```

The screenshot displays the OnlineGDB web interface. On the left is a blue sidebar with navigation links: 'Home', 'My Projects', 'Classroom', 'Learn Programming', 'Programming Questions', 'Sign Up', and 'Login'. Below these are social media icons for Facebook, Twitter, and a general share button. A 'Vote an Opponent' section is also visible. The main area is divided into two panes. The top pane is a code editor with a dark background, showing a Python script that imports the random module and uses a while loop to generate random numbers, printing 'Hazard' or 'High Temp' based on the value, and 'Working Successfully' otherwise. The bottom pane is a terminal window showing the output of the program, which alternates between 'Hazard', 'Working Successfully', and 'High Temp' several times. At the bottom of the terminal, it says '...Program finished with exit code 0' and 'Press ENTER to exit console.' The top of the browser window shows the OnlineGDB logo and navigation tabs for Run, Debug, Run, and Run. The language is set to Python 3.

```
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 import random as rd
10 while 1:
11     a=rd.randint(10,100)
12     b=rd.randint(10,100)
13     if a+b>200:
14         print("Hazard")
15     else:
16         print("High Temp")
17     else:
18         print("Working Successfully")
19
20
21
22
```

Hazard
Working Successfully
Working Successfully
Working Successfully
Working Successfully
High Temp
Hazard
Working Successfully
High Temp
Working Successfully
Working

...Program finished with exit code 0
Press ENTER to exit console.