

## Assignment -2

Python Programming

Assignment Date	27 September 2022
Student Name	CHITHRA C
Student Roll Number	510119205003
Maximum Marks	2 Marks

### 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
x=random.randrange(1,100)
print("The temperature value is",x)
y=random.randrange(1,100)
print("The Humidity value is",y)
if x>50:
    if y>60:
        print("Hazard detected")
    else:
        print("no Hazard detected")
elif x==50:
    print("maximum temperature reached")
else:
    print("all good")
```

### output:

The temperature value is 96

The Humidity value is 65

Hazard detected

main.py		Shell
<pre>1 import random 2 x=random.randrange(1,100) 3 print("The temperature value is",x) 4 y=random.randrange(1,100) 5 print("The Humidity value is",y) 6 if x&gt;50: 7     if y&gt;60: 8         print("Hazard detected") 9     else: 10        print("no Hazard detected") 11 elif x==50: 12     print("maximum temperature reached") 13 else: 14     print("all good")</pre>		<pre>The temperature value is 96 The Humidity value is 65 Hazard detected &gt;  </pre>