

**Assignment -2**  
Python Programming

Assignment Date	1 October 2022
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Maximum Marks	2 Marks

**Question-1:**

The code is written by considering the DHT 11 - Temperature and Humidity Sensor

The Sensor's temperature range = -20 to 60C and humidity range = 5 to 95%

importing the random to generate random temperature and humidity values

```
main.py
1 import random
2 def humidity():
3     humid = random.randint(15,96)
4     return humid
5
6 def temperature():
7     temp = random.randint(-15,55)
8     return temp
9 T = temperature()
10 H = humidity()
11
12 print("The Temperature measured is: ",T)
13
14 print("the Humidity measured is: ",H)
15
16 if T>35:
17     print("That's a lot of heat out there!!")
18     print("Better Stay indoors!!!")
19
20
21 elif T>=24 and T<=30:
22
23     print("Everything's fine...")
24
25 elif T<20:
26     print("That's too chill out there...")
```

The Temperature measured is: 18  
the Humidity measured is: 39  
That's too chill out there...