ASSIGNMENT -2

PYTHON PROGRAMING

Assignment Date	26 september 2022
Student Name	S.Rajadurai
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Maximum Marks	2 Marks

QUESTION:

Build a python code, assume you 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.

SOFTWARE USED:

Online GDB

CODE:

```
import random
import time
while True:

temperature = random.randrange(1, 100, 1) #temperature generates randomly
humidity = random.randrange(1, 100, 1) # humidity generates randomly
if temperature > 60:
    print("High temperature Detected ==> " + str(temperature) + u"\N{DEGREE
SIGN}C = 'ALARM ON");
else:
print("Normal temperature Detected ==> " + str(temperature) + u"\N{DEGREE SIGN}C
= 'ALARM OFF");
```

break

time.sleep(2.0) # for time delay of 2 sec for every loop

CODE AND OUTPUT:

