Assignment -2

Python programming

Assignment Date	26 September 2022
Student Name	Karthikeyan S
Student Roll Number	727619bec018
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:

Pycharm IDE

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:

```
| Process finished with exit code 0
```