Assignment -2

Python Programming

Assignment Date	26 September 2022
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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:

CODE:

```
a      = int (input(" enter temperature = "))
if a>75 :

        print(" ALARM DETECTED ")
else:

        print(" ALARM NOT DETECTED ")


b      = int (input(" enter humidity = "))
if b>70:           print(" ALARM DETECTED
")        else:

        print(" ALARM NOT DETECTED ")
```

OUTPUT:

```
IDLE Shell 3.10.7

File  Edit  Shell  Debug  Options  Window  Help

    Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep  5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32
    Type "help", "copyright", "credits" or "license()" for more information.
>>>
    ============== RESTART: D:/python/TEMPERATURE HUMIDITY ASSIGNMENT ==============
     enter temperature = 82
     ALARM DETECTED
     enter humidity = 75
     ALARM DETECTED
>>>
    ============== RESTART: D:/python/TEMPERATURE HUMIDITY ASSIGNMENT ==============
     enter temperature = 64
     ALARM NOT DETECTED
     enter humidity = 50
     ALARM NOT DETECTED
>>>
    ============== RESTART: D:/python/TEMPERATURE HUMIDITY ASSIGNMENT ==============
     enter temperature = 90
     ALARM DETECTED
     enter humidity = 68
     ALARM NOT DETECTED
>>>
    ============== RESTART: D:/python/TEMPERATURE HUMIDITY ASSIGNMENT ==============
     enter temperature = 45
     ALARM NOT DETECTED
     enter humidity = 81
     ALARM DETECTED
>>>
```