Assignment -2
PYTHON PROGRAMMING

Assignment Date	27 September 2022
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Maximum Marks	2 Marks

Question-1:

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.

CODE:

```python
import random

a=int(input("Enter the temperature="))

b=int(input("Enter the humidity="))

num=(1,2,3,4,5,6,7,8,9,0)

get=random.choice(num)

if a>40:

    print("Low temperature is detected, ALARM OFF")

else:

    print("High temperature is detected,ALARM ON")

if b>70:

    print("Low humidity,ALARM OFF")

else:

    print("High humidity,ALARM ON")

    print(get)
```

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: C:/Users/Admin/AppData/Local/Programs/Python/Python310/assignment 2 sv.py
Enter the temperature50
Enter the humidity40
Low temperature is detected, ALARAM OFF
High humidity,ALARAM ON
>>>
= RESTART: C:/Users/Admin/AppData/Local/Programs/Python/Python310/assignment 2 sv.py
Enter the temperature20
Enter the humidity70
High temperature is detected,ALARM ON
High humidity,ALARM ON
>>>
= RESTART: C:/Users/Admin/AppData/Local/Programs/Python/Python310/assignment 2 sv.py
Enter the temperature20
Enter the humidity20
High temperature is detected,ALARM ON
High humidity,ALARM ON
>>>
= RESTART: C:/Users/Admin/AppData/Local/Programs/Python/Python310/assignment 2 sv.py
Enter the temperature20
Enter the humidity80
High temperature is detected,ALARM ON
Low humidity,ALARM OFF
```