

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
>>>
```

