

Assignment -2
Python Programming

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|---------------------|-------------------|
| Assignment Date | 27 September 2022 |
| Student Name | K.Brindha devi |
| Student Roll Number | 711619106701 |
| 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:

```
import random

while(True):

a=random.randint(10,99) b=random.randint(10,99)

if(a>25 and b>70):

print("Temperature and humidity
of:",a,b,"%","Alarm is on")

elif(a<25 and b<70):

print("Temperature and humidity of:",
a,b,"%","Alarm is off")

break
```

prog.py - C:/Users/ELCOT/AppData/Local/Programs/Python/Python310/prog.py (3.10.7)

File Edit Format Run Options Window Help

```
import random
while(True):
    a=random.randint(10,99)
    b=random.randint(10,99)
    if(a>25 and b>70):
        print("Temperature and humidity of:",a,b,"%","Alarm is on")
    elif(a<25 and b<70):
        print("Temperature and humidity of:", a,b,"%","Alarm is off")
        break
```

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
(AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more inform
>>>
==== RESTART: C:/Users/ELCOT/AppData/Local/Programs/Python/Python3.
==
Temperature and humidity of: 59 71 % Alarm is on
Temperature and humidity of: 59 86 % Alarm is on
Temperature and humidity of: 77 98 % Alarm is on
Temperature and humidity of: 14 44 % Alarm is off
>>>
```

Windows taskbar with search bar and icons for various applications and system status (32°C, ENG).