

IBM – NALLAIYA THIRAN PROJECT

ASSIGNMENT-2

TOPIC : 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.

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CODE:

```
import random
```

```
while(True):
```

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

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

```
    if(a>35 and b>60):
```

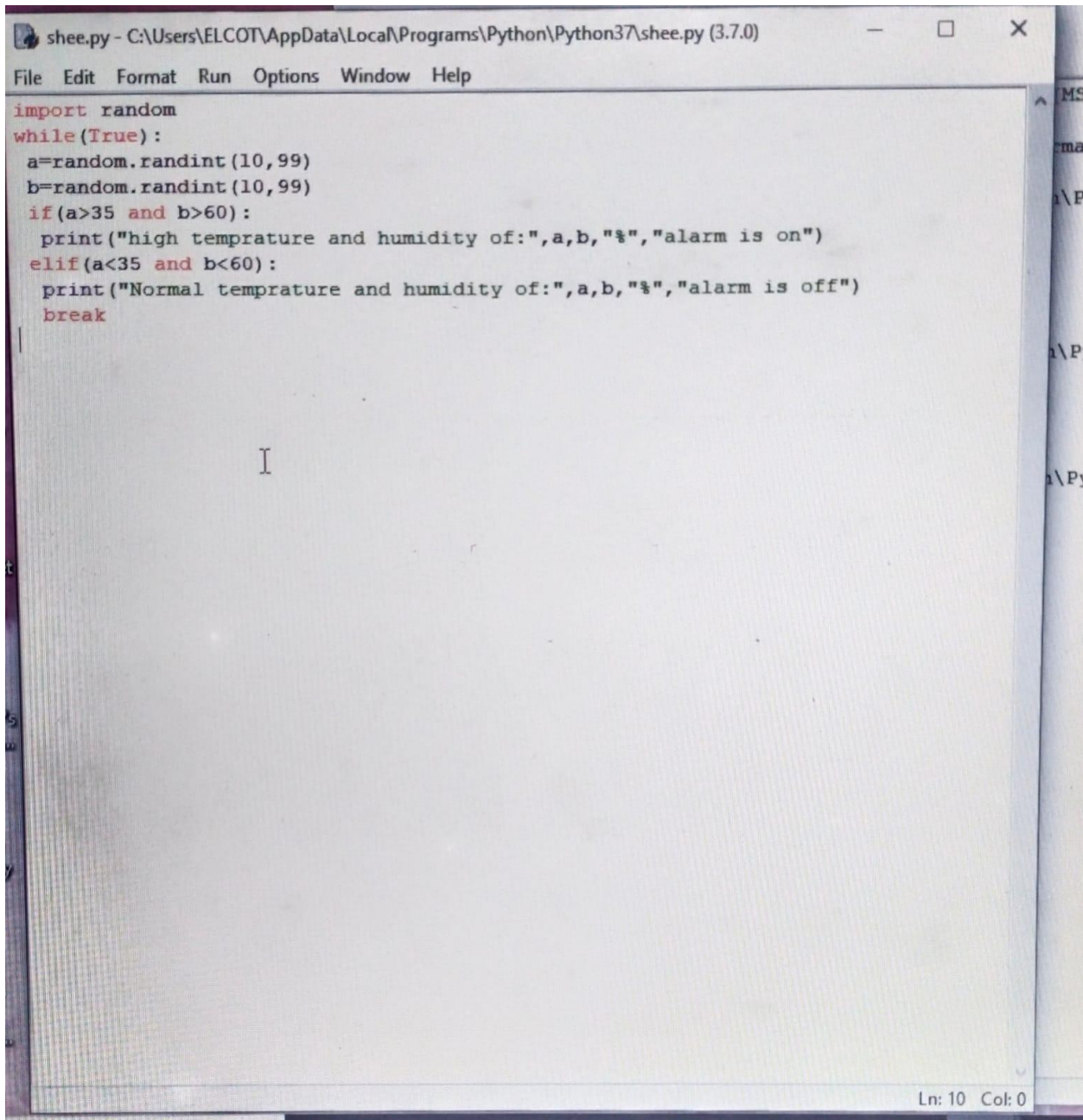
```
        print("high temprature and humidityof:",a,b,"%","alarm is on")
```

```
    elif(a<35 and b<60):
```

```
        print("Normal temprature and humidityof:",a,b,"%","alarm isoff")
```

```
    break
```

INPUT:



```
shee.py - C:\Users\ELCOT\AppData\Local\Programs\Python\Python37\shee.py (3.7.0)
File Edit Format Run Options Window Help

import random
while(True):
    a=random.randint(10,99)
    b=random.randint(10,99)
    if(a>35 and b>60):
        print("high temprature and humidity of:",a,b,"%","alarm is on")
    elif(a<35 and b<60):
        print("Normal temprature and humidity of:",a,b,"%","alarm is off")
    break

Ln: 10 Col: 0
```

OUTPUT:

```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
== RESTART: C:\Users\ELCOT\AppData\Local\Programs\Python\Python37\shee.py ==
high temprature and humidity of: 78 83 % alarm is on
high temprature and humidity of: 36 78 % alarm is on
high temprature and humidity of: 43 65 % alarm is on
Normal temprature and humidity of: 33 27 % alarm is off
>>>
== RESTART: C:\Users\ELCOT\AppData\Local\Programs\Python\Python37\shee.py ==
high temprature and humidity of: 37 74 % alarm is on
high temprature and humidity of: 57 93 % alarm is on
Normal temprature and humidity of: 12 36 % alarm is off
>>>
== RESTART: C:\Users\ELCOT\AppData\Local\Programs\Python\Python37\shee.py ==
high temprature and humidity of: 36 67 % alarm is on
Normal temprature and humidity of: 14 30 % alarm is off
>>>
```

Ln: 18 Col: