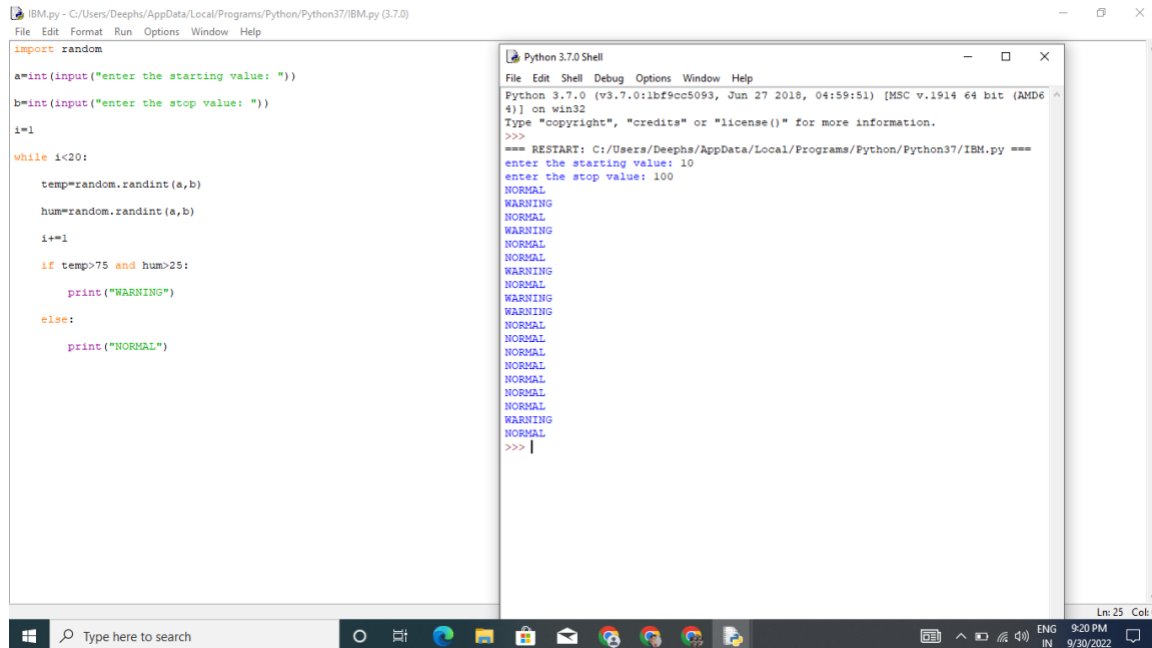


ASSIGNMENT-II

ALARM SOUND WHEN THE TEMPERATURE IS HIGH



The screenshot shows a Python IDE with a script on the left and its execution output on the right. The script is a loop that generates random temperature and humidity values. If both are high, it prints 'WARNING'; otherwise, it prints 'NORMAL'. The output window shows the program running for 20 iterations, alternating between 'WARNING' and 'NORMAL' messages.

```
IBM.py - C:/Users/Deepthi/AppData/Local/Programs/Python/Python37/IBM.py (3.7.0)
File Edit Format Run Options Window Help

import random
a=int(input("enter the starting value: "))
b=int(input("enter the stop value: "))
i=1
while i<20:
    temp=random.randint(a,b)
    hum=random.randint(a,b)
    i+=1
    if temp>75 and hum>25:
        print("WARNING")
    else:
        print("NORMAL")

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/Deepthi/AppData/Local/Programs/Python/Python37/IBM.py ====
enter the starting value: 10
enter the stop value: 100
NORMAL
WARNING
NORMAL
WARNING
NORMAL
WARNING
NORMAL
WARNING
NORMAL
WARNING
NORMAL
WARNING
NORMAL
WARNING
NORMAL
WARNING
NORMAL
WARNING
NORMAL
>>> |
```

PROGRAM:

```
import random
```

```
a=int(input("enter the starting value: "))
```

```
b=int(input("enter the stop value: "))
```

```
i=1
```

```
while i<20:
```

```
    temp=random.randint(a,b)
```

```
    hum=random.randint(a,b)
```

```
    i+=1
```

```
    if temp>75 and hum>25:
```

```
        print("WARNING")
```

```
    else:
```

```
        print("NORMAL")
```