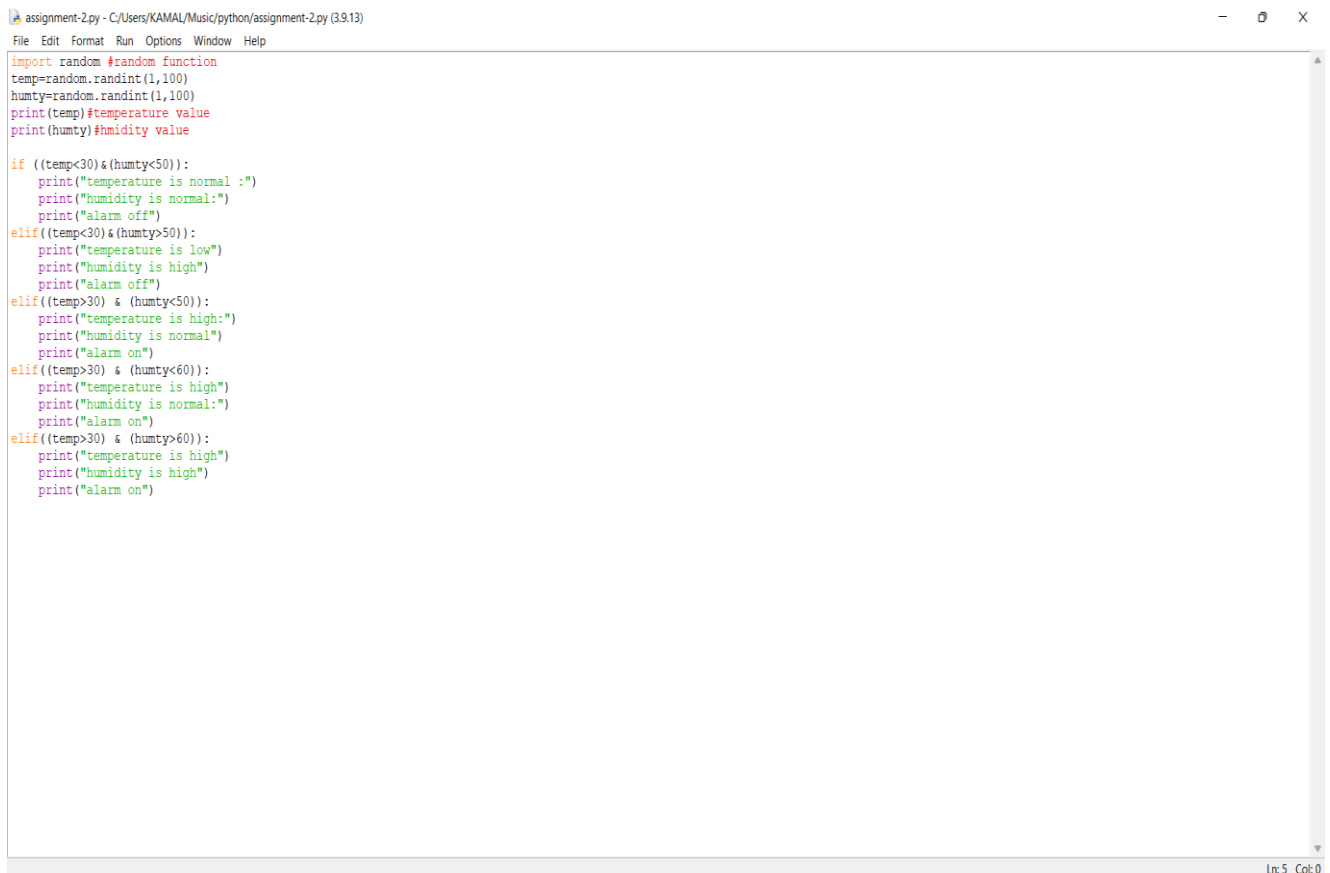


# Nalaiya Thiran (IBM)

## ASSIGNMENT – 2

**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.**

### Program Screenshot:



```
assignment-2.py - C:/Users/KAMAL/Music/python/assignment-2.py (3.9.13)
File Edit Format Run Options Window Help

import random #random function
temp=random.randint(1,100)
humty=random.randint(1,100)
print(temp)#temperature value
print(humty)#hmidity value

if ((temp<30) & (humty<50)):
    print("temperature is normal :")
    print("humidity is normal:")
    print("alarm off")
elif((temp<30) & (humty>50)):
    print("temperature is low")
    print("humidity is high")
    print("alarm off")
elif((temp>30) & (humty<50)):
    print("temperature is high:")
    print("humidity is normal")
    print("alarm on")
elif((temp>30) & (humty<60)):
    print("temperature is high")
    print("humidity is normal:")
    print("alarm on")
elif((temp>30) & (humty>60)):
    print("temperature is high")
    print("humidity is high")
    print("alarm on")

Ln: 5 Col: 0
```

# Output Screenshot:



```
IDLE Shell 3.9.13
File Edit Shell Debug Options Window Help
Python 3.9.13 (tags/v3.9.13:6de2ca5, May 17 2022, 16:36:42) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/KAMAL/Music/python/assignment-2.py =====
97
99
temperature is high
humidity is high
alarm on
>>>
===== RESTART: C:/Users/KAMAL/Music/python/assignment-2.py =====
46
66
temperature is high
humidity is high
alarm on
>>>
===== RESTART: C:/Users/KAMAL/Music/python/assignment-2.py =====
40
51
temperature is high
humidity is normal:
alarm on
>>>
===== RESTART: C:/Users/KAMAL/Music/python/assignment-2.py =====
90
78
temperature is high
humidity is high
alarm on
>>>
===== RESTART: C:/Users/KAMAL/Music/python/assignment-2.py =====
97
5
temperature is high:
humidity is normal
alarm on
>>>
```

Ln 32 Col 0

# Program Code:

```
import random #random function

temp=random.randint(1,100)

humty=random.randint(1,100)

print(temp)#temperature value

print(humty)#hmidity value


if ((temp<30)&(humty<50)):

    print("temperature is normal :")

    print("humidity is normal:")

    print("alarm off")

elif((temp<30)&(humty>50)):

    print("temperature is low")

    print("humidity is high")

    print("alarm off")

elif((temp>30) & (humty<50)):

    print("temperature is high:")

    print("humidity is normal")

    print("alarm on")

elif((temp>30) & (humty<60)):

    print("temperature is high")

    print("humidity is normal:")

    print("alarm on")

elif((temp>30) & (humty>60)):

    print("temperature is high")

    print("humidity is high")

    print("alarm on")
```