IBM-Nalaiya Thiran Project

Assignment 2

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PROGRAM CODE:

```
import random
temperature=random.randint(1,100)
humidity=random.randint(1,50)
print(temperature)
print(humidity)
if((temperature<45)&(humidity<35)):
  print("Temperature is normal")
  print("Humidity is normal")
elif((temperature>45)&(humidity<35)):
  print("Temperature is high")
  print("Humidity is low")
elif((temperature<45)&(humidity>35)):
  print("Temperature is low")
  print("Humidity is high")
elif((temperature>45)&(humidity>35)):
  print("Temperature is high")
  print("Humidity is high")
else:
  print("Temperature is very low")
  print("Humidity is very low")
  print("Alarm off")
```

PROGRAM:

ibm.py - C:\Users\andri\OneDrive\Desktop\ibm.py (3.7.0)

File Edit Format Run Options Window Help

```
import random
temperature=random.randint(1,100)
humidity=random.randint(1,50)
print(temperature)
print(humidity)
if((temperature<45)&(humidity<35)):
    print("Temperature is normal")
    print("Humidity is normal")
elif((temperature>45)&(humidity<35)):
    print("Temperature is high")
    print("Humidity is low")
elif((temperature<45)&(humidity>35)):
    print("Temperature is low")
    print("Humidity is high")
elif((temperature>45)&(humidity>35)):
    print("Temperature is high")
    print("Humidity is high")
else:
    print("Temperature is very low")
    print("Humidity is very low")
    print("Alarm off")
```

Ln: 21 Col: 22

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\andri\OneDrive\Desktop\ibm.py ==============
74
37
Temperature is high
Humidity is high
>>>
```

Ln: 9 Col: 4