ASSIGNMENT-2

ASSIGNMENT ON TEMPERATURE AND HUMIDITY THAT CONTINUOUSLY DETECT ALARM USING PYTHON

CODE:

```python
import random

while(True):
    T = random.randint(0,1000)
    H = random.randint(0,1000)
    print("Temperature = ",T)
    print("Humidity = ",H)

    if  T >80 :
        if H > 90:
            print("ALARM ON")
        else:
            print("HIGH TEMPERATURE MAY OCCUR")
    else:
        print("NORMAL TEMPERATURE")
```
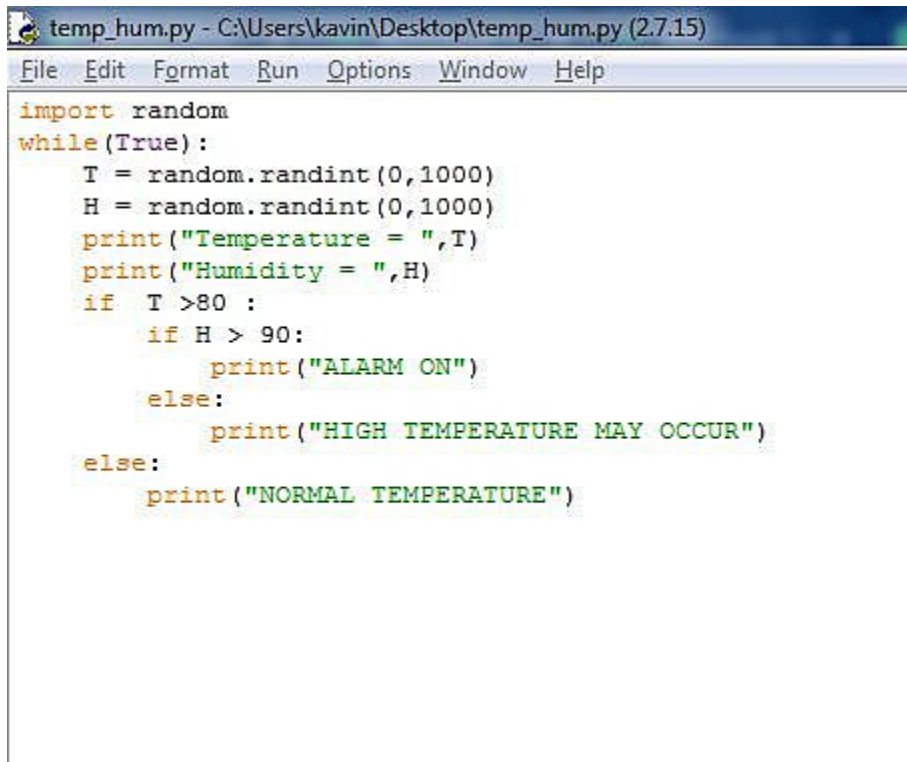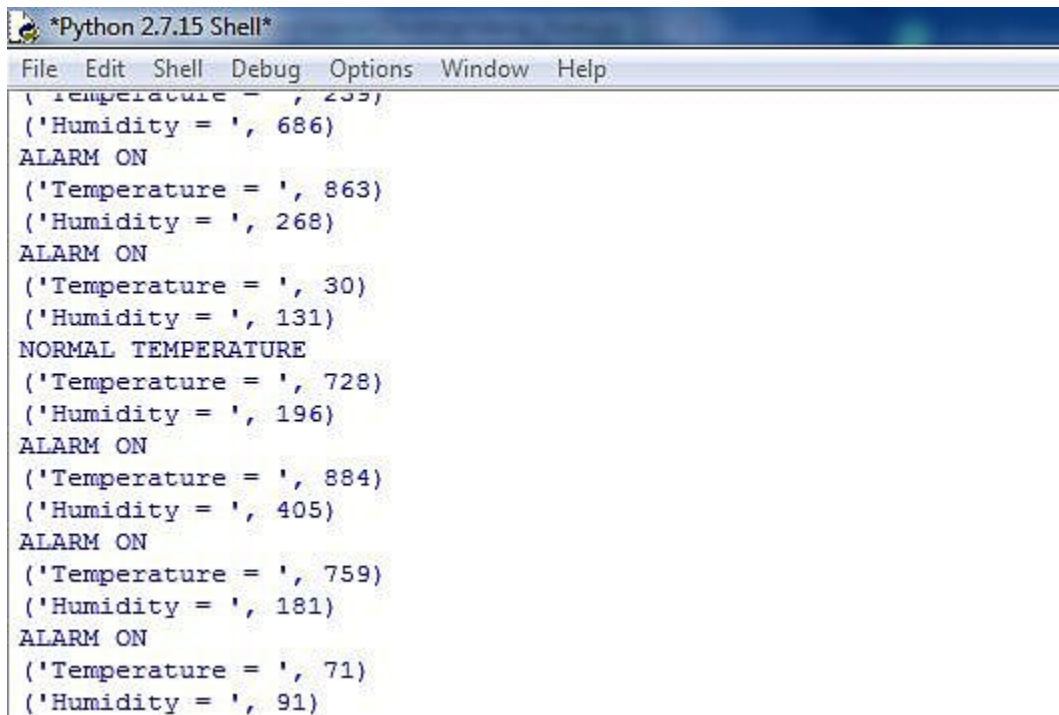
OUTPUT:

```
temp_hum.py - C:\Users\kavin\Desktop\temp_hum.py (2.7.15)
File  Edit  Format  Run  Options  Window  Help

import random
while(True):
    T = random.randint(0,1000)
    H = random.randint(0,1000)
    print("Temperature = ",T)
    print("Humidity = ",H)
    if  T >80 :
        if H > 90:
            print("ALARM ON")
        else:
            print("HIGH TEMPERATURE MAY OCCUR")
    else:
        print("NORMAL TEMPERATURE")
```

```
*Python 2.7.15 Shell*
File  Edit  Shell  Debug  Options  Window  Help

('Temperature =  ', 233)
('Humidity = ', 686)
ALARM ON
('Temperature = ', 863)
('Humidity = ', 268)
ALARM ON
('Temperature = ', 30)
('Humidity = ', 131)
NORMAL TEMPERATURE
('Temperature = ', 728)
('Humidity = ', 196)
ALARM ON
('Temperature = ', 884)
('Humidity = ', 405)
ALARM ON
('Temperature = ', 759)
('Humidity = ', 181)
ALARM ON
('Temperature = ', 71)
('Humidity = ', 91)
```

```
ALARM ON
('Temperature = ', 188)
('Humidity = ', 725)
ALARM ON
('Temperature = ', 388)
('Humidity = ', 874)
ALARM ON
('Temperature = ', 561)
('Humidity = ', 997)
ALARM ON
('Temperature = ', 530)
('Humidity = ', 20)
HIGH TEMPERATURE MAY OCCUR
('Temperature = ', 450)
('Humidity = ', 143)
ALARM ON
('Temperature = ', 486)
('Humidity = ', 423)
ALARM ON
('Temperature = ', 652)
('Humidity = ', 184)
```