ASSIGNMENT – II

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.

PROGRAM:

```python
import random

temperature=random.uniform(22.0,60.0)

humidity=random.uniform(40,100)

print ("Temperature is",temperature)

if (temperature>32):

    print ("Alarm is on and the temperature is high")

else:

    print ("Alarm is off and the temperature is low")

print ("Humidity is",humidity)

if (humidity>65):

    print ("Alarm is on and the humidity is high")

else:

    print ("Alarm is off and the humidity is low ")
```

OUTPUT:

main.py

Shell   Clear

```python
1  import random
2  temperature=random.uniform(22.0,60.0)
3  humidity=random.uniform(40,100)
4  print ("Temperature is",temperature)
5  if (temperature>32):
6      print ("Alarm is on and the temperature is high")
7  else:
8      print ("Alarm is off and the temperature is low")
9  print ("Humidity is",humidity)
10 if (humidity>65):
11     print ("Alarm is on and the humidity is high")
12 else:
13     print ("Alarm is off and the humidity is low ")
```

```
Temperature is 37.07836416781055
Alarm is on and the temperature is high
Humidity is 58.1018738227514
Alarm is off and the humidity is low
>
```