IBM ASSIGNMENT – 2

**Name: Tamil Selvan R**

**Roll no:** 713519CEIT029

ASSIGNMENT QUESTION:

**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.**

PYTHON CODE:

import random

from time import sleep

while True:

temperature=round(random.uniform(10, 50),2)

humidity=round(random.uniform(10, 100),2)

print("\nTemperature =", temperature,"degree celsius")

print("Humidity = ",humidity,"%")

if(temperature>32):

print("STATE : ALARM ON")

else:

print("STATE : ALARM OFF")

sleep(5)

EXECUTION RESULT

Output