**Assignment -2**

PYTHON PROGRAMMING

|  |  |
| --- | --- |
| Assignment Date | 07 October 2022 |
| Student Name | **G**angadi Sudheer |
| Student Roll Number | **212219060084** |
| Maximum Marks | 2 Marks |

**Question-1:**

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

|  |
| --- |
| **Solution:** |

**PROGRAM:**

**import random**

**import time**

**temp1=random.randint(0,200)**

**humidity1=random.randint(0,100)**

**print('Temperature1=',temp1)**

**print('Humidity1=',humidity1)**

**if(temp1>38):**

**print('Temperature is high,Alarm detected')**

**else:**

**print('Normal Temperature')**

**if(temp1<12):**

**print('Temperature is low, Alarm is off')**

**else:**

**print('Temperature is high, Alarm is on')**

**temp2=random.randint(18,150)**

**humidity2=random.randint(56,300)**

**print('Temperature2=',temp1)**

**print('Humidity2=',humidity1)**

**if(temp2>48):**

**print('Temperature is high,Alarm detected')**

**else:**

**print('Normal Temperature')**

**if(temp2<160):**

**print('Temperature is low, Alarm is off')**

**else:**

**print('Temperature is high, Alarm is on')**

**temp1=temp2=48**

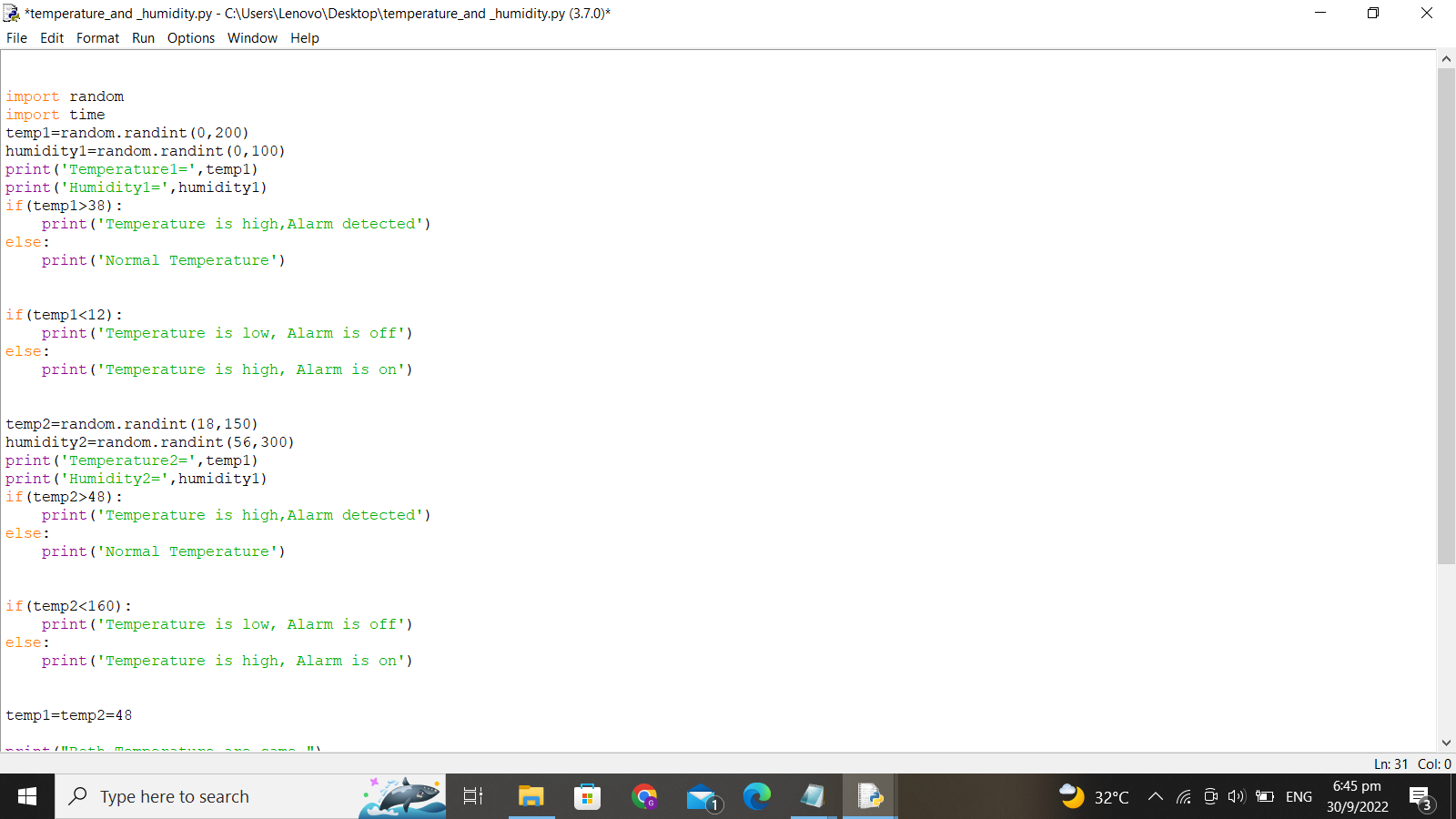
**print("Both Temperature are same ")**

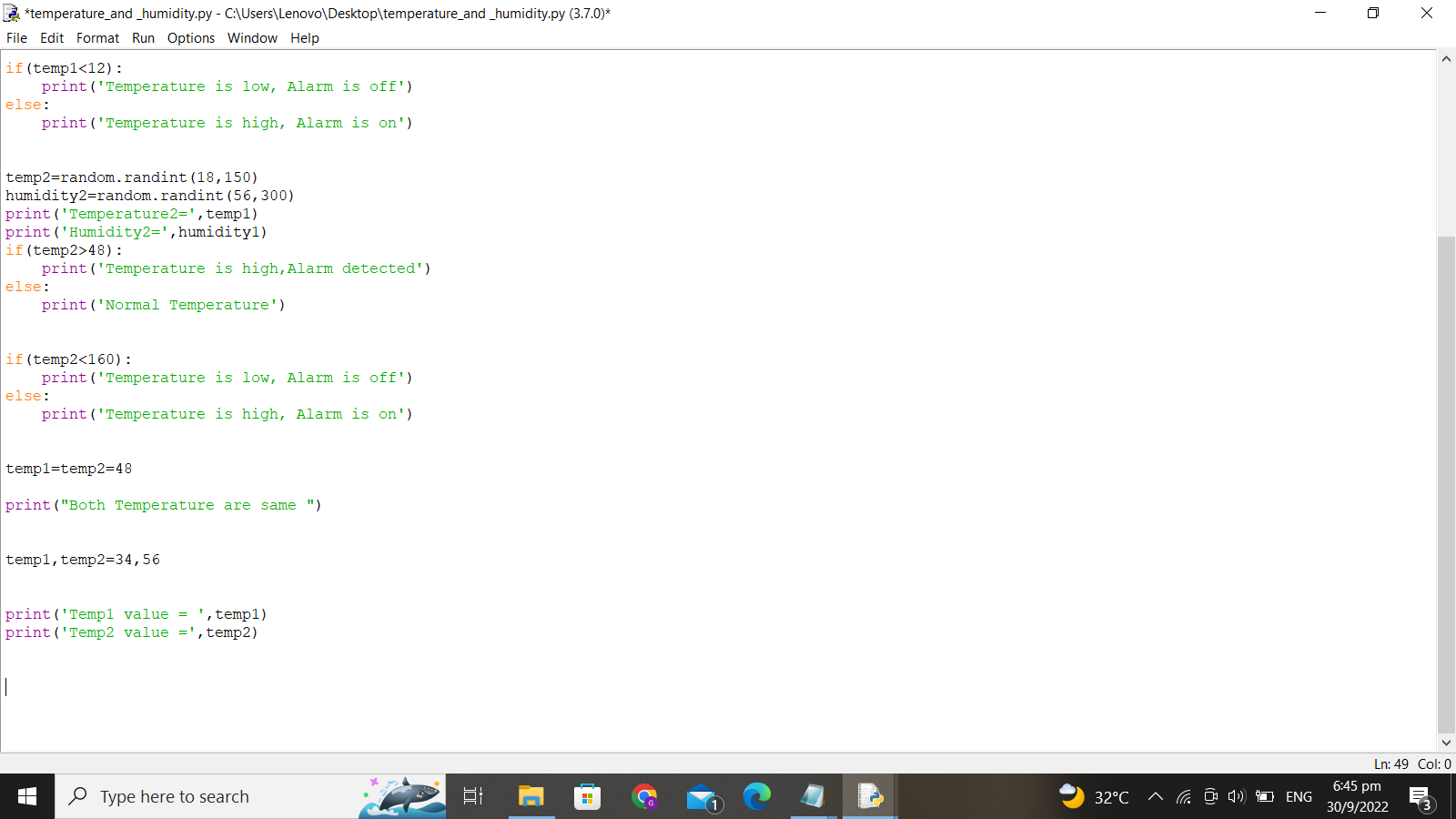
**temp1,temp2=34,56**

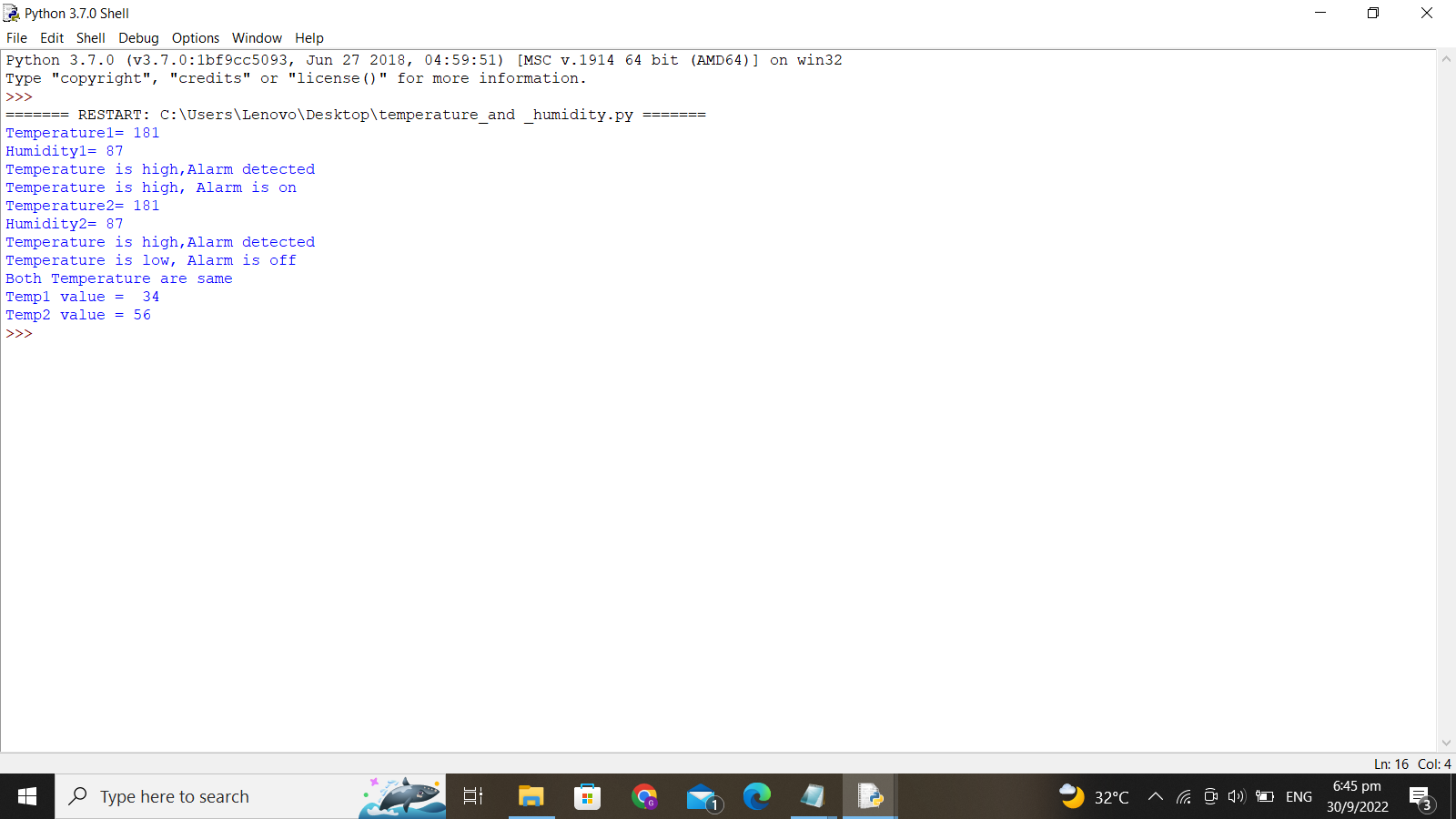
**print('Temp1 value = ',temp1)**

**print('Temp2 value =',temp2)**

**OUTPUT:**

****

****

****