ASSIGNMENT 2

Date	24 September 2022
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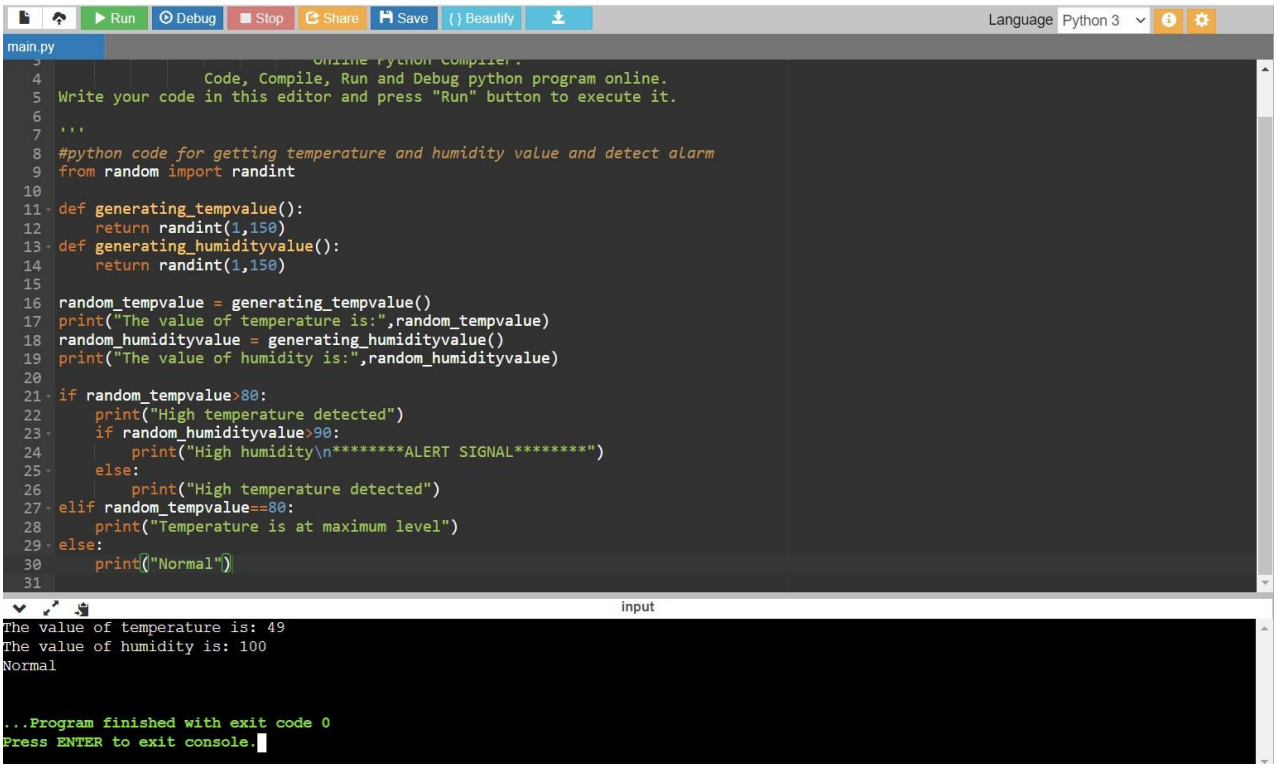
Roll Number	718019L257
Project Name	Project – Smart Farmer-IoT Enabled Smart Farming Application
Maximum Marks	2 Marks

Topic: Assignment on temperature and humidity sensing and alarm automation using python

Code:

```
from random import randint


def generating_tempvalue():
    return randint(1,150)

def generating_humidityvalue():

    return randint(1,150)


random_tempvalue = generating_tempvalue() print("The value of temperature
is:",random_tempvalue) random_humidityvalue = generating_humidityvalue()
print("The value of humidity is:",random_humidityvalue)


if random_tempvalue>80:
    print("High temperature detected")     if
random_humidityvalue>90:

        print("High humidity\n********ALERT SIGNAL********")     else:

        print("High temperature detected") elif random_tempvalue==80:
```

OUTPUT:


Run
Debug
Stop
Share
Save
{ } Beautify
Language
Python 3
main.py
Code, Compile, Run and Debug python program online.
Write your code in this editor and press "Run" button to execute it.
'''
#python code for getting temperature and humidity value and detect alarm
from random import randint
def generating_tempvalue():
return randint(1,150)
def generating_humidityvalue():
return randint(1,150)
random_tempvalue = generating_tempvalue()
print("The value of temperature is:",random_tempvalue)
random_humidityvalue = generating_humidityvalue()
print("The value of humidity is:",random_humidityvalue)
if random_tempvalue>80:
print("High temperature detected")
if random_humidityvalue>90:
print("High humidity\n********ALERT SIGNAL********")
else:
print("High temperature detected")
elif random_tempvalue==80:
print("Temperature is at maximum level")
else:
print("Normal")
input
The value of temperature is: 49
The value of humidity is: 100
Normal
...Program finished with exit code 0
Press ENTER to exit console.