Assignment -2

Python Programming

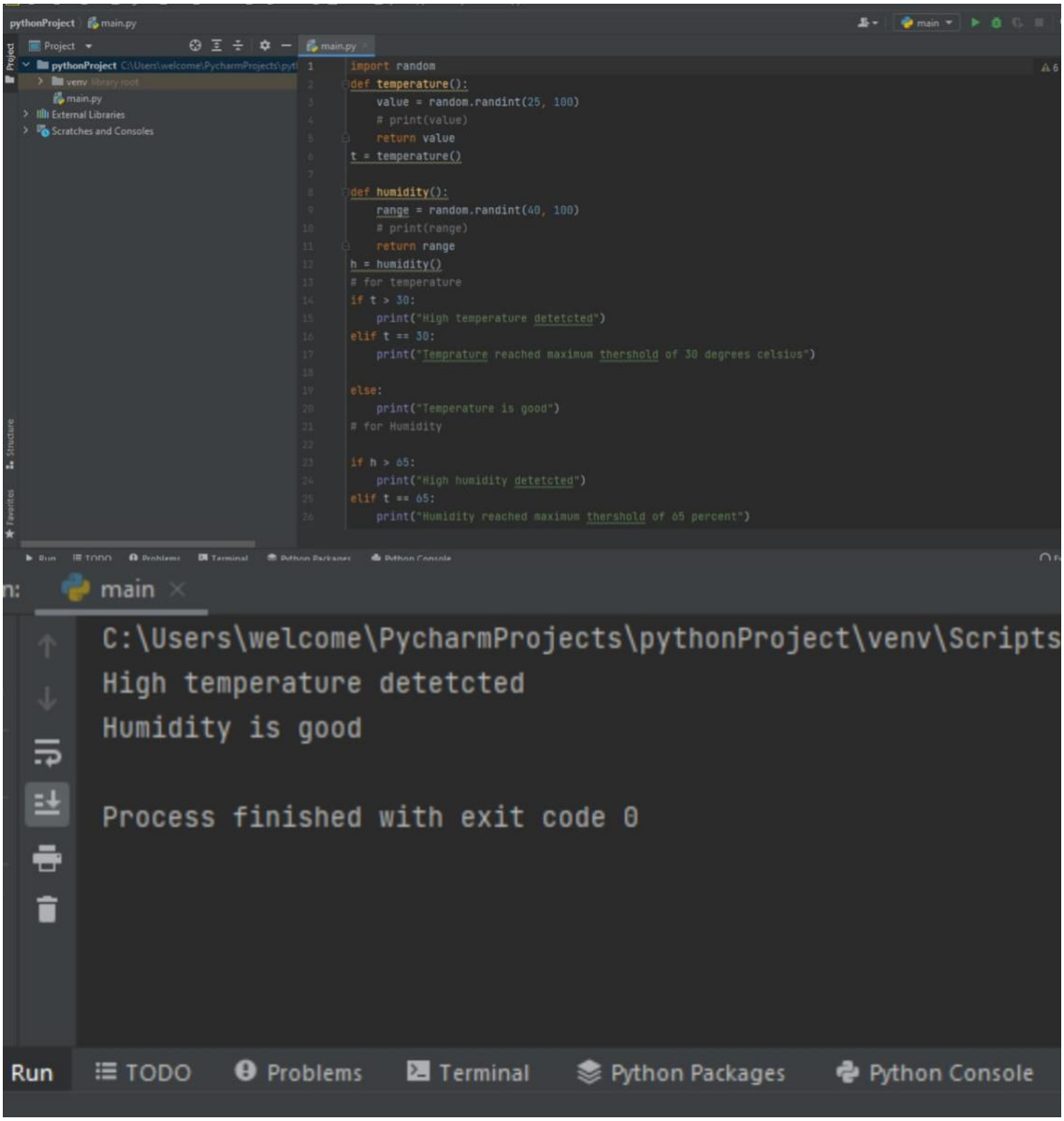
Assignment Date	27 September 2022
Student Name	N.KARPAGANATHAN
Student Roll Number	820419106022
Maximum Marks	2 Marks

Question-1:

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.

Solution:

```
import random


def temperature():
    value=random.randint(25,100)
    #print(value)
    return value

t=temperature()

def humidity():
    range=random.randint(40,100)
    #print(range)
    return range

h=humidity()

#for temperature

if t>30:
    print("High temperature detetcted")
elif t==30:
    print("Temperature reached maximum threshold of 30 degrees celsius")

else:
    print("Temperature is good")

#for Humidity

if h>65 :
    print("High humidity detetcted")
elif t == 65:
    print("Humidity reached maximum threshold of 65 percent")
else:
    print("Humidity is good")
```


pythonProject
main.py
Project
pythonProject C:\Users\welcome\PycharmProjects\pyt
venv library root
main.py
External Libraries
Scratches and Consoles
import random
def temperature():
value = random.randint(25, 100)
# print(value)
return value
t = temperature()
def humidity():
range = random.randint(40, 100)
# print(range)
return range
h = humidity()
# for temperature
if t > 30:
print("High temperature detetcted")
elif t == 30:
print("Temprature reached maximum thershold of 30 degrees celsius")
else:
print("Temperature is good")
# for Humidity
if h > 65:
print("High humidity detetcted")
elif t == 65:
print("Humidity reached maximum thershold of 65 percent")
main
C:\Users\welcome\PycharmProjects\pythonProject\venv\Scripts
High temperature detetcted
Humidity is good
Process finished with exit code 0
Run
TODO
Problems
Terminal
Python Packages
Python Console