Assignment -2
Python Programming

Assignment Date	27 September 2022
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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:

```python
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:
```
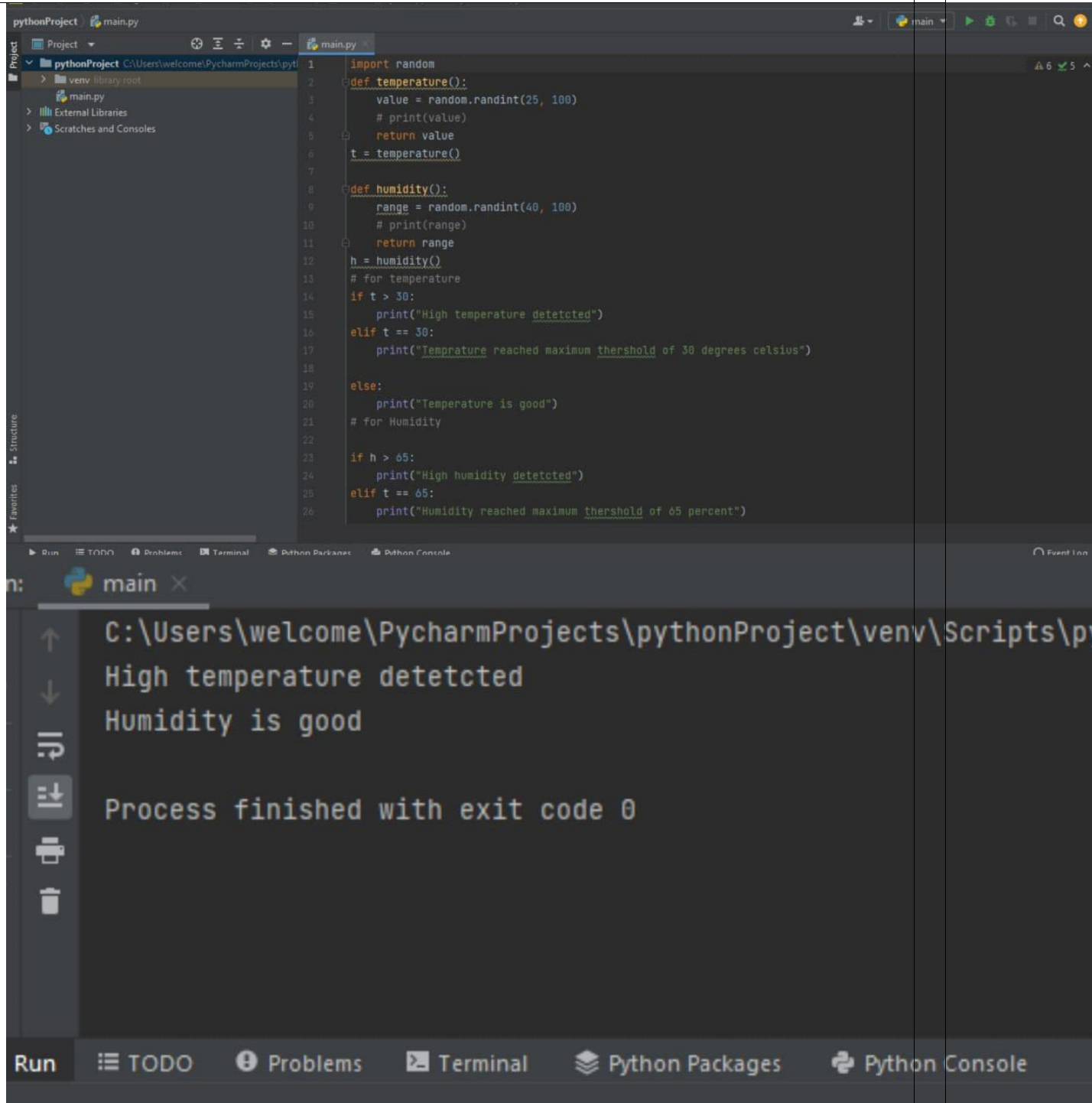
```python
    print("Humidity reached maximum threshold of 65 percent")
else:
    print("Humidity is good")
```

pythonProject) main.py

Project

main.py

```python
1   import random
2   def temperature():
3       value = random.randint(25, 100)
4       # print(value)
5       return value
6   t = temperature()
7
8   def humidity():
9       range = random.randint(40, 100)
10      # print(range)
11      return range
12  h = humidity()
13  # for temperature
14  if t > 30:
15      print("High temperature detetcted")
16  elif t == 30:
17      print("Temprature reached maximum thershold of 30 degrees celsius")
18
19  else:
20      print("Temperature is good")
21  # for Humidity
22
23  if h > 65:
24      print("High humidity detetcted")
25  elif t == 65:
26      print("Humidity reached maximum thershold of 65 percent")
```

Run   TODO   Problems   Terminal   Python Packages   Python Console   Event Log

main

```
C:\Users\welcome\PycharmProjects\pythonProject\venv\Scripts\p
High temperature detetcted
Humidity is good


Process finished with exit code 0
```

Run   ≡ TODO   ❶ Problems   ▶ Terminal   ≋ Python Packages   ⮃ Python Console