

Team id: PNT2022TMID49366

Assignment -2

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| Assignment Date | 04 November 2022 |
| Student Name | R.velmurugan |
| Student Roll Number | 923319104055 |

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)
    return value

t=temperature()

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

h=humidity()

#for temperature

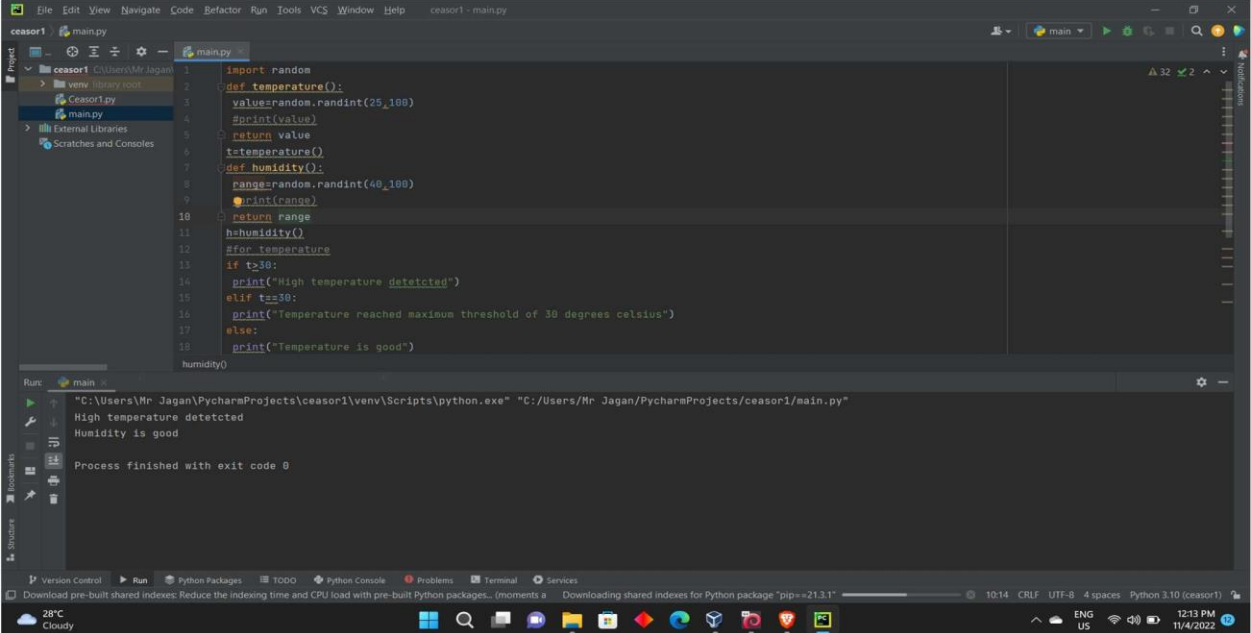
if t>30:
    print("High temperature detetcted")
elif t==30:
    print("Temperature reached maximum threshold of 30 degrees celsius")

else:    print("Temperature is
good")

#for Humidity

if h>65 :
```

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



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

Run main

"C:\Users\Mr Jagan\PycharmProjects\ceasor1\venv\Scripts\python.exe" "C:/Users/Mr Jagan/PycharmProjects/ceasor1/main.py"

High temperature detected
Humidity is good

Process finished with exit code 0