Assignment -1

Python Programming

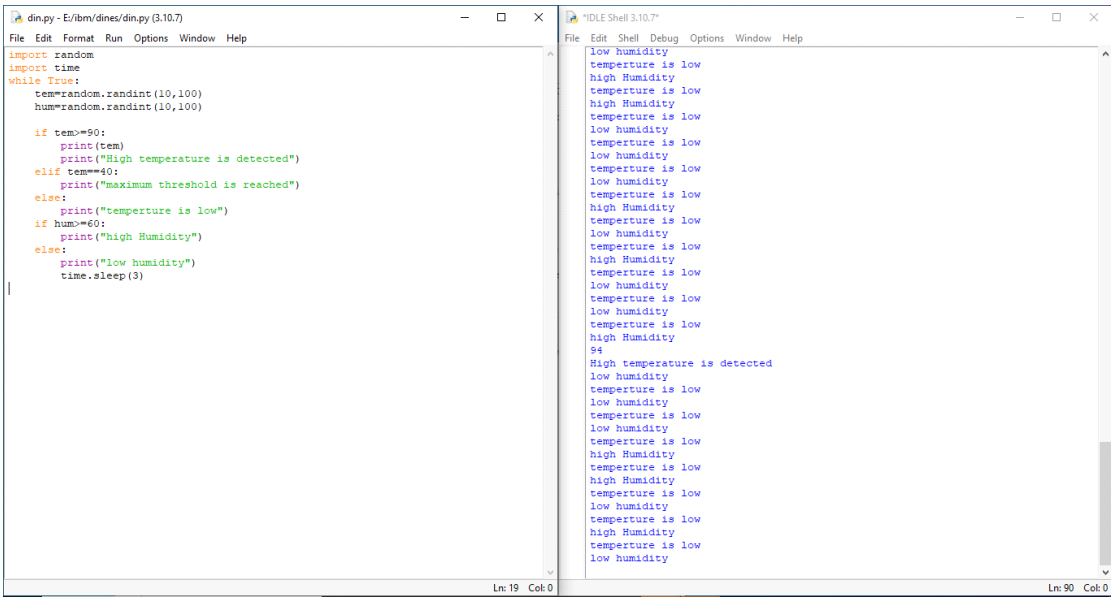
Assignment Date	27 September 2022
Student Name	V. Dinesh
Student Roll Number	510119104005
Maximum Marks	2 Marks

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.

Program :

```
import random

import time

while True:

  tem=random.randint(10,100)

  hum=random.randint(10,100)


  if tem>=90:

    print(temp)

    print("High temperature is detected")

  elif tem==40:

    print("maximum threshold is reached")

  else:

    print("temperture is low")

  if hum>=60:

    print("high Humidity")

  else:

    print("low humidity")

    time.sleep(3)
```


din.py - E:/ibm/dines/din.py (3.10.7)
File Edit Format Run Options Window Help
import random
import time
while True:
tem=random.randint(10,100)
hum=random.randint(10,100)
if tem>=90:
print(tem)
print("High temperature is detected")
elif tem==40:
print("maximum threshold is reached")
else:
print("temperture is low")
if hum>=60:
print("high Humidity")
else:
print("low humidity")
time.sleep(3)
Ln: 19 Col: 0
IDLE Shell 3.10.7
File Edit Shell Debug Options Window Help
low humidity
temperture is low
high Humidity
temperture is low
high Humidity
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low humidity
temperture is low
high Humidity
94
High temperature is detected
low humidity
temperture is low
low humidity
temperture is low
low humidity
temperture is low
high Humidity
temperture is low
high Humidity
temperture is low
low humidity
temperture is low
high Humidity
temperture is low
low humidity
Ln: 90 Col: 0