IBM ASSIGNMENT 2

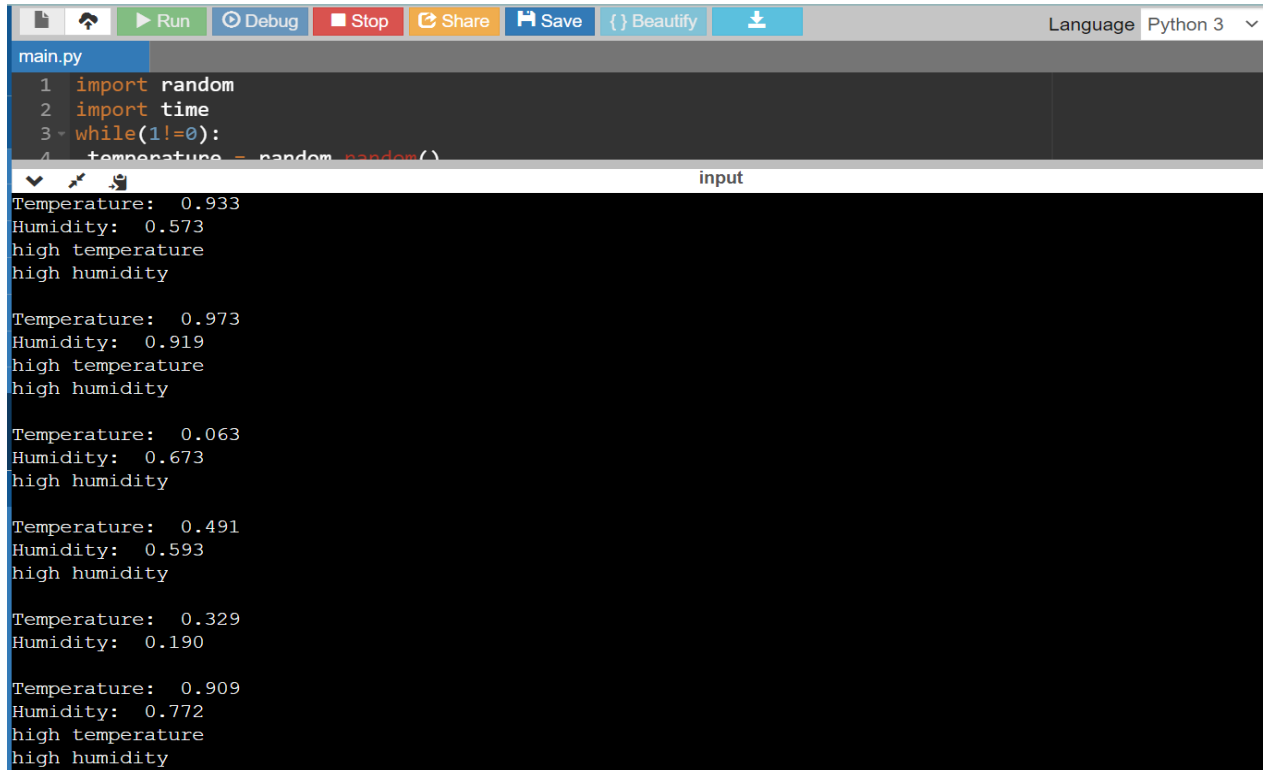| Assignment date	29 september 2022
Student name	Dhivya dharshini M
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Maximum marks	2 marks

Question no :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.

Solution:

```python
import random

import time

while(1!=0):

 temperature = random.random()

 humidity = random.random()

 print("Temperature: ","%.3f" % temperature)

 print("Humidity: ","%.3f" % humidity)

 time.sleep(2)

 if (temperature > 0.5):

     print("high temperature")

 if ( humidity >0.5):

     print("high humidity")

 print(" ")
```

OUTPUT:


```
1  import random
2  import time
3  while(1!=0):
4    temperature = random.random()
```

```
Temperature:  0.933
Humidity:  0.573
high temperature
high humidity

Temperature:  0.973
Humidity:  0.919
high temperature
high humidity

Temperature:  0.063
Humidity:  0.673
high humidity

Temperature:  0.491
Humidity:  0.593
high humidity

Temperature:  0.329
Humidity:  0.190

Temperature:  0.909
Humidity:  0.772
high temperature
high humidity
```