

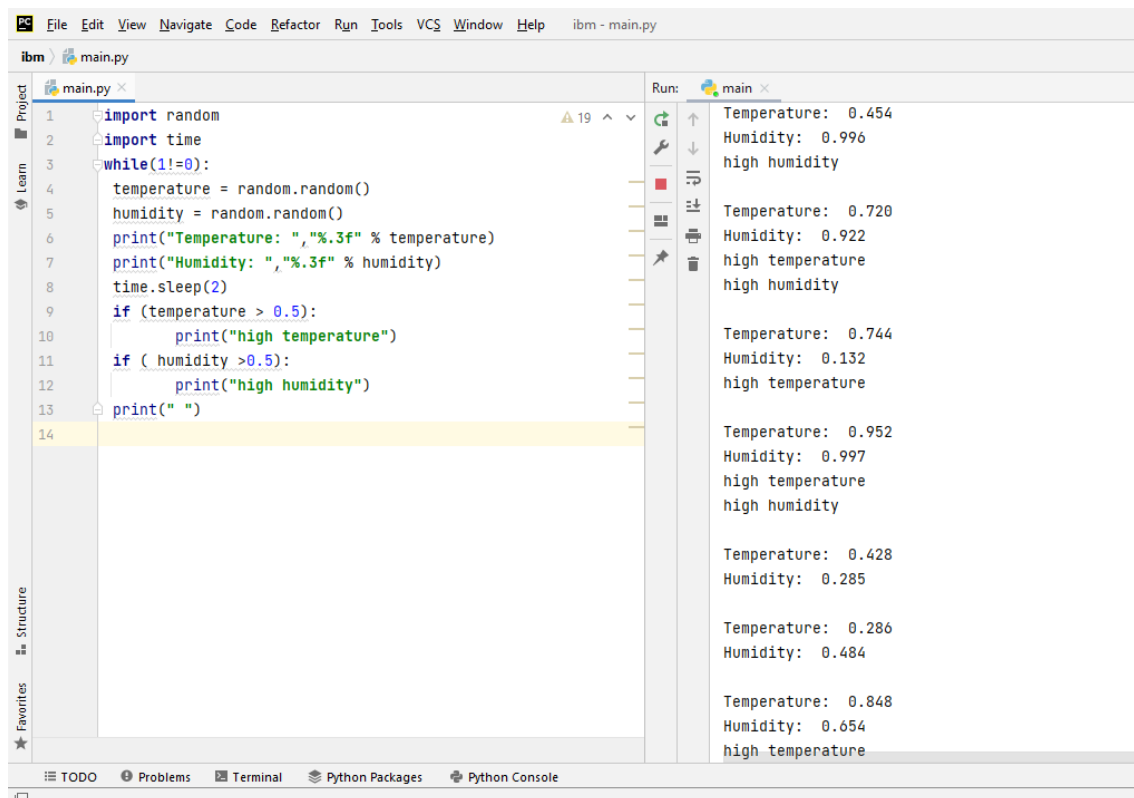
IBM ASSIGNMENT 2

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Python Code:

```
import random
import time
while(1!=0):
    temperature = random.random()
    humidity = random.random()
    print("Temperature: ", "%0.3f" % temperature)
    print("Humidity: ", "%0.3f" % humidity)
    time.sleep(2)
    if (temperature > 0.5):
        print("high temperature")
    if ( humidity >0.5):
        print("high humidity")
    print(" ")
```

Output:



The screenshot shows an IDE window titled 'ibm - main.py'. The left pane displays the Python code from the previous block. The right pane, labeled 'Run: main', shows the output of the program. The output consists of multiple lines of text, each representing a single iteration of the while loop. Each iteration prints the temperature and humidity values, followed by a space character. If the temperature is greater than 0.5, it prints 'high temperature'. If the humidity is greater than 0.5, it prints 'high humidity'. The output is as follows:

```
Temperature: 0.454
Humidity: 0.996
high humidity

Temperature: 0.720
Humidity: 0.922
high temperature
high humidity

Temperature: 0.744
Humidity: 0.132
high temperature

Temperature: 0.952
Humidity: 0.997
high temperature
high humidity

Temperature: 0.428
Humidity: 0.285

Temperature: 0.286
Humidity: 0.484

Temperature: 0.848
Humidity: 0.654
high temperature
```

