

Assignment -2

Python Programming

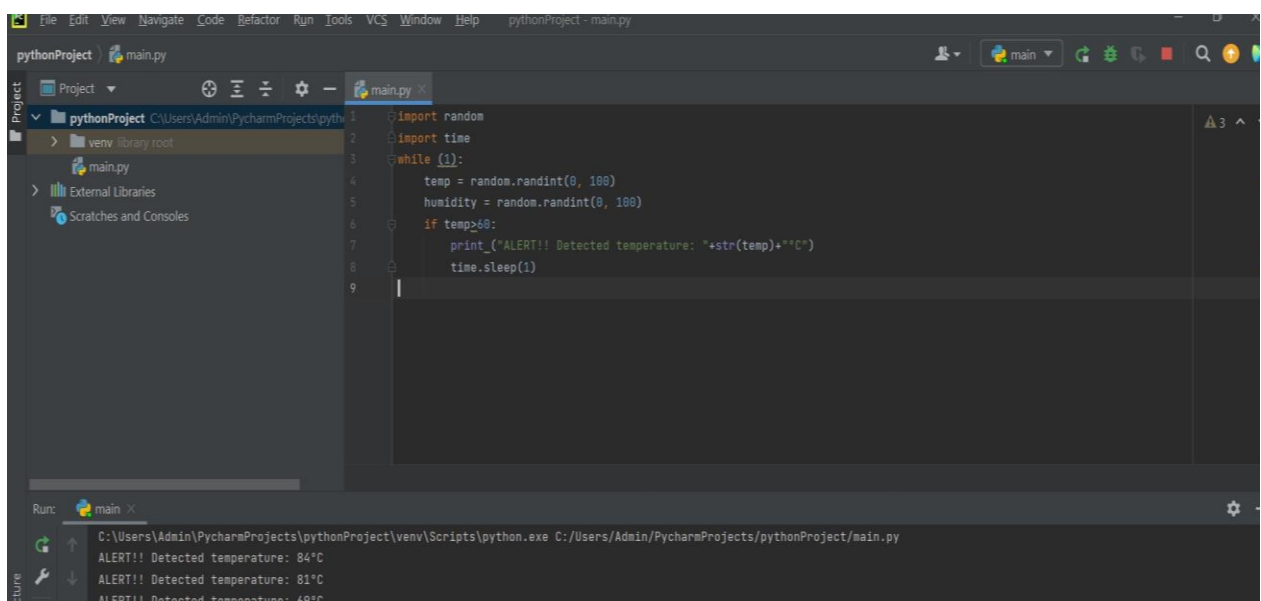
NAME	SURESH S
Maximum Marks	2 Marks

Question:

Build a python code, assume u get temperature and humidity values (generated with a random function to a variable) and write a condition to detect an alarm in case of high temperature continuously.

Python Code:

```
import random
import time
while (1):
    temp = random.randint(0, 100)
    humidity = random.randint(0, 100)
    if temp>60:
        print ("ALERT!! Detected temperature: "+str(temp)+"°C")
        time.sleep(1)
```



The screenshot shows the PyCharm IDE with a project named 'pythonProject'. The file 'main.py' is open, displaying the following code:

```
1 import random
2 import time
3 while (1):
4     temp = random.randint(0, 100)
5     humidity = random.randint(0, 100)
6     if temp>60:
7         print ("ALERT!! Detected temperature: "+str(temp)+"°C")
8         time.sleep(1)
9
```

The Run console at the bottom shows the output of the program:

```
Run: main X
C:\Users\Admin\PycharmProjects\pythonProject\venv\Scripts\python.exe C:/Users/Admin/PycharmProjects/pythonProject/main.py
ALERT!! Detected temperature: 84°C
ALERT!! Detected temperature: 81°C
ALERT!! Detected temperature: 69°C
```

