Assignment -2
Python Programming
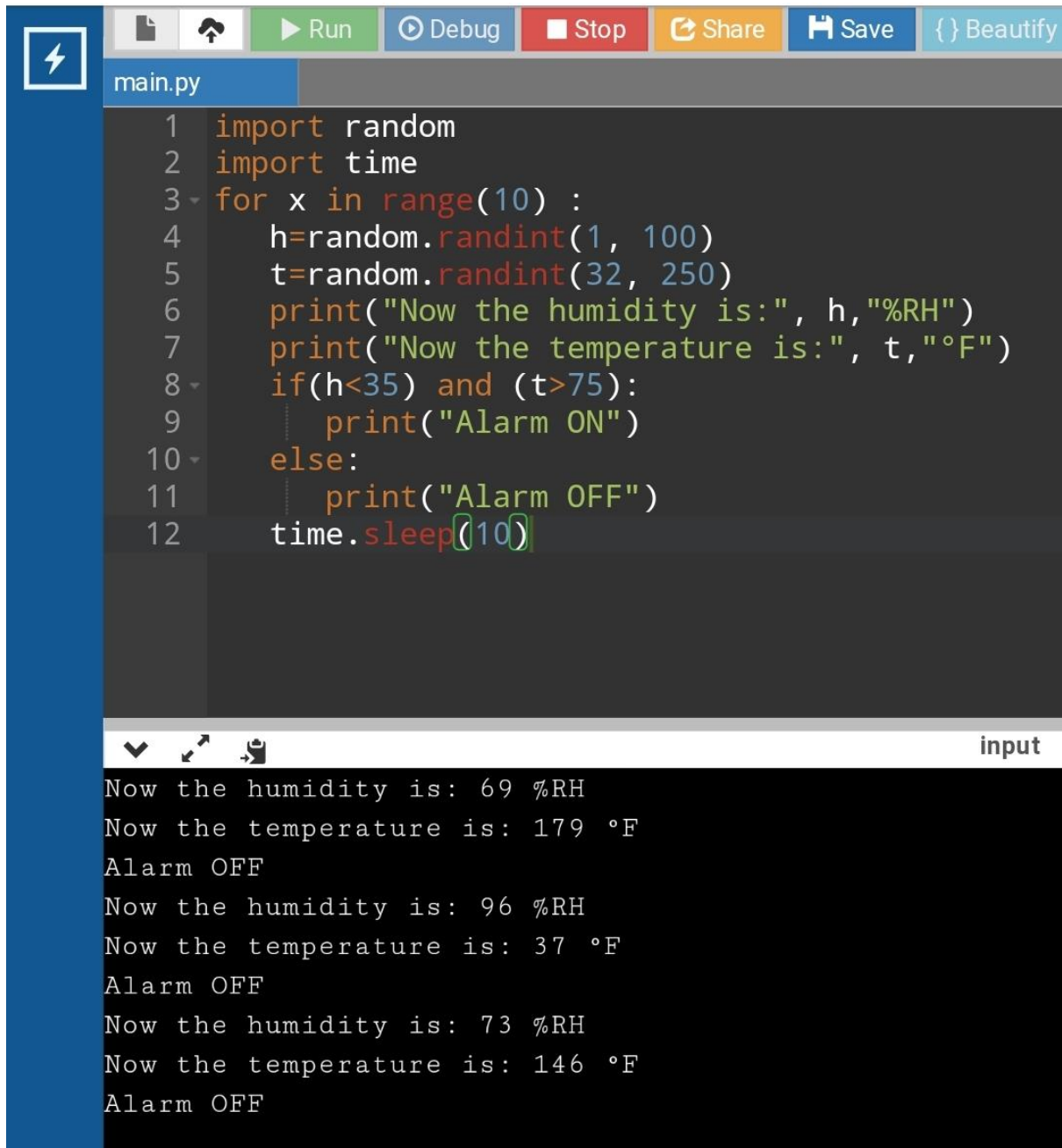
Assignment Date	22 September 2022
Student Name	V.ASWIN MUTHIAH
Student Roll Number	190801017
Maximum Marks	2 Marks

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.

Solution:

```python
import random
import time
for x in range(10) :
    h=random.randint(1,100)
    t=random.randint(32,250)
    print("Now the humidity is:", h,"%RH")
    print("Now the temperature is:", t,"°F")
    if(h<35) and (t>75):
        print("Alarm ON")
    else:
        print("Alarm OFF")
    time.sleep(10)
```

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```

```
Now the humidity is: 69 %RH
Now the temperature is: 179 °F
Alarm OFF
Now the humidity is: 96 %RH
Now the temperature is: 37 °F
Alarm OFF
Now the humidity is: 73 %RH
Now the temperature is: 146 °F
Alarm OFF
```