Assignment -2
Python Programming

Assignment Date	19 September 2022
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Maximum Marks	2 Marks

Question-2:

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.

Code:

```
Import random

Temperature = random.randint(0,200)

humidity = random.randint(0,100)

print("The recorded temperature in Fahrenheit= ",temperature)

print("The recorded humidity in percentage= ",humidity)

if(temperature>110 or humidity>30):
        print("HIGH TEMPERATURE-Alarm
ON") else:
        print("Alarm oFF")
```
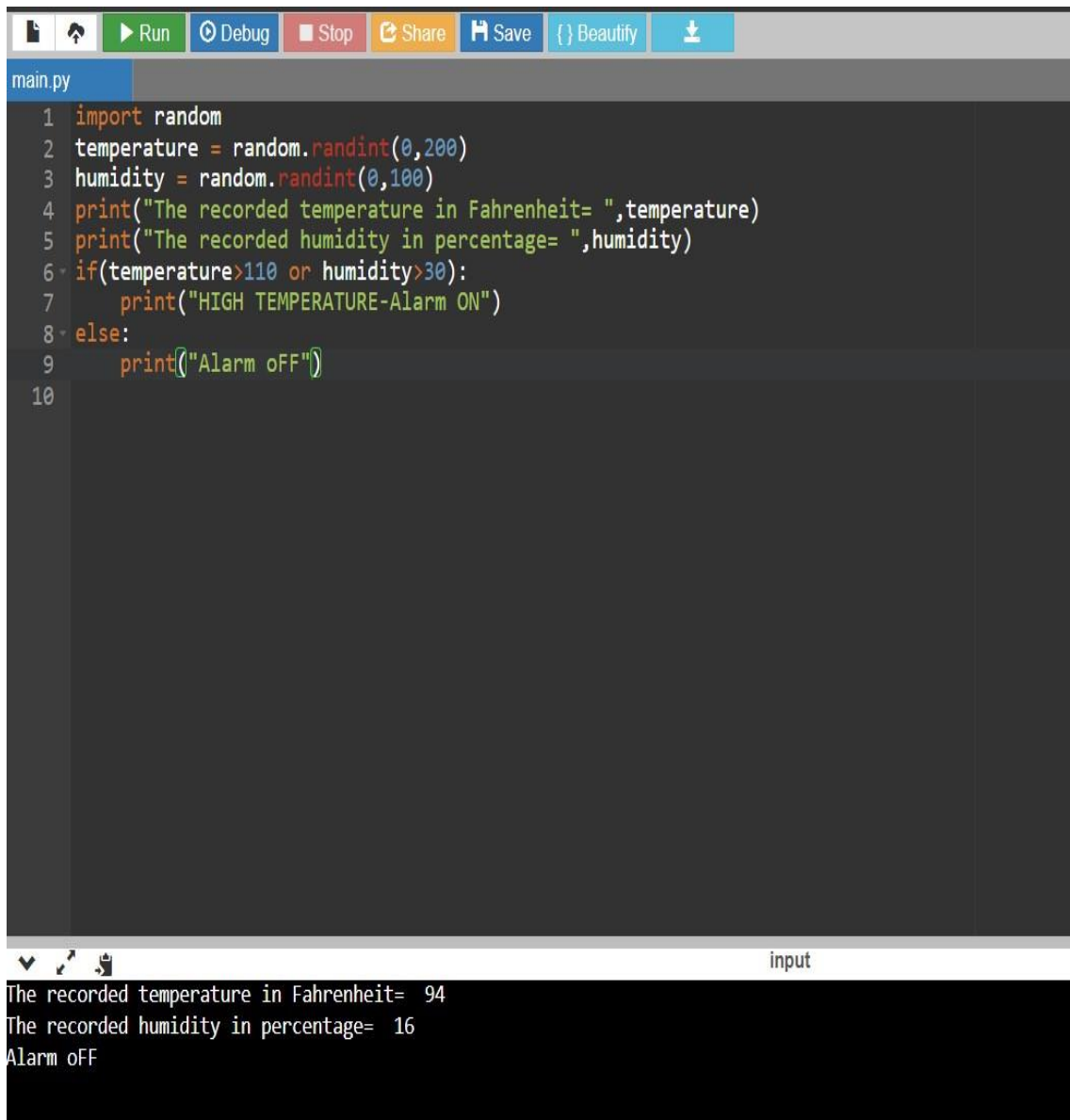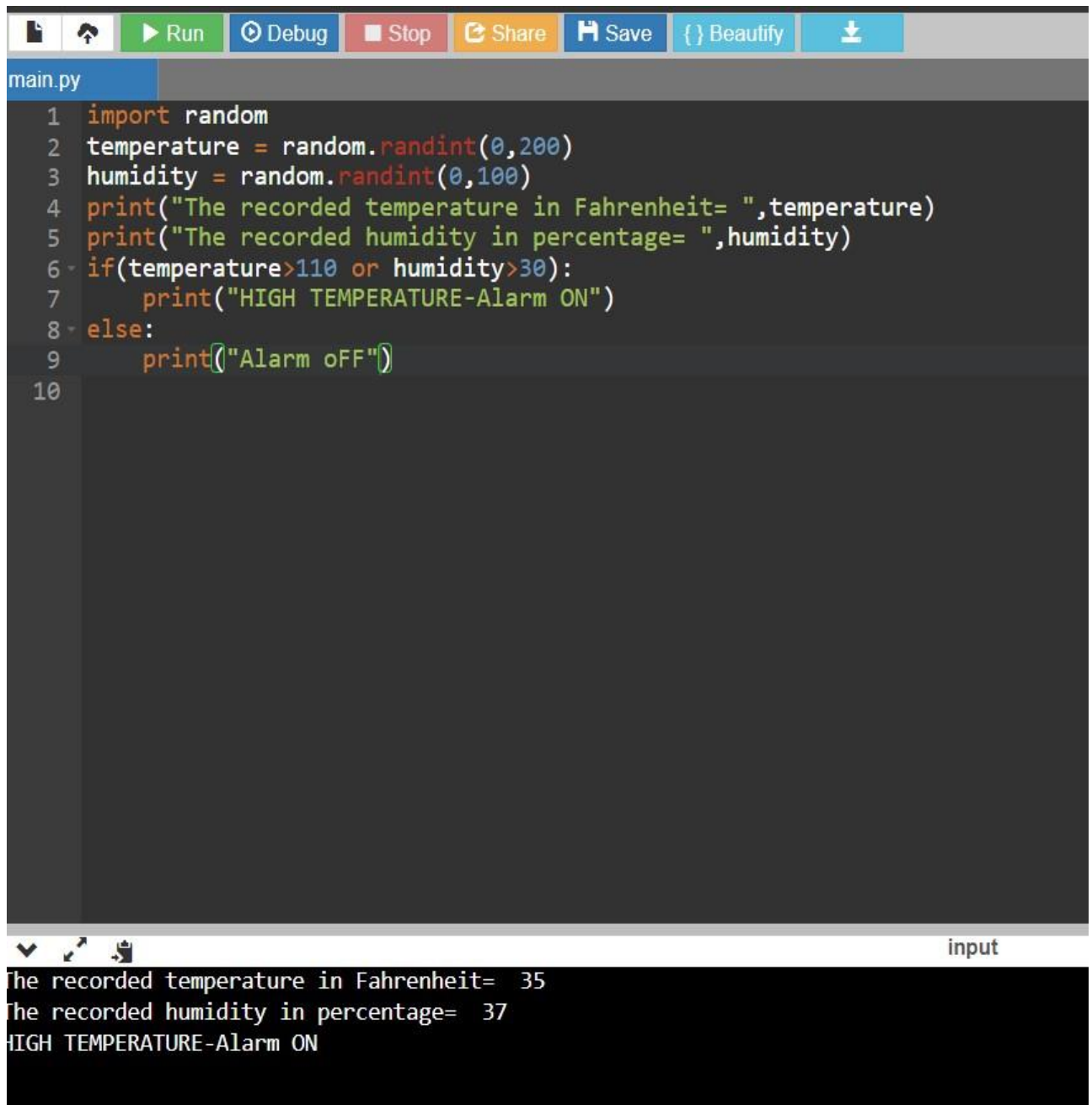
output:CASE 1: ALRAM-OFF

```python
import random
temperature = random.randint(0,200)
humidity = random.randint(0,100)
print("The recorded temperature in Fahrenheit= ",temperature)
print("The recorded humidity in percentage= ",humidity)
if(temperature>110 or humidity>30):
    print("HIGH TEMPERATURE-Alarm ON")
else:
    print("Alarm oFF")
```

```
The recorded temperature in Fahrenheit=  94
The recorded humidity in percentage=  16
Alarm oFF
```

CASE 2: ALRAM-ON

```python
import random
temperature = random.randint(0,200)
humidity = random.randint(0,100)
print("The recorded temperature in Fahrenheit= ",temperature)
print("The recorded humidity in percentage= ",humidity)
if(temperature>110 or humidity>30):
    print("HIGH TEMPERATURE-Alarm ON")
else:
    print("Alarm oFF")
```

```
The recorded temperature in Fahrenheit=  35
The recorded humidity in percentage=  37
HIGH TEMPERATURE-Alarm ON
```