# Assignment -2

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Build a Python code, Assume you 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.

**Program :**

```python
import random

while(True):

    t=random.randint(10,99)

    h=random.randint(10,99)

    if(t>30 and h<40):

        print(" Temperature and Humidity values are : ",t,  h )

        print(" High temprature and Alarm is ON ")

    elif(t<30 and h>40):

        print(" Temperature and Humidity values are : ",t,  h )

        print(" Low temprature and Alarm is OFF ")
```
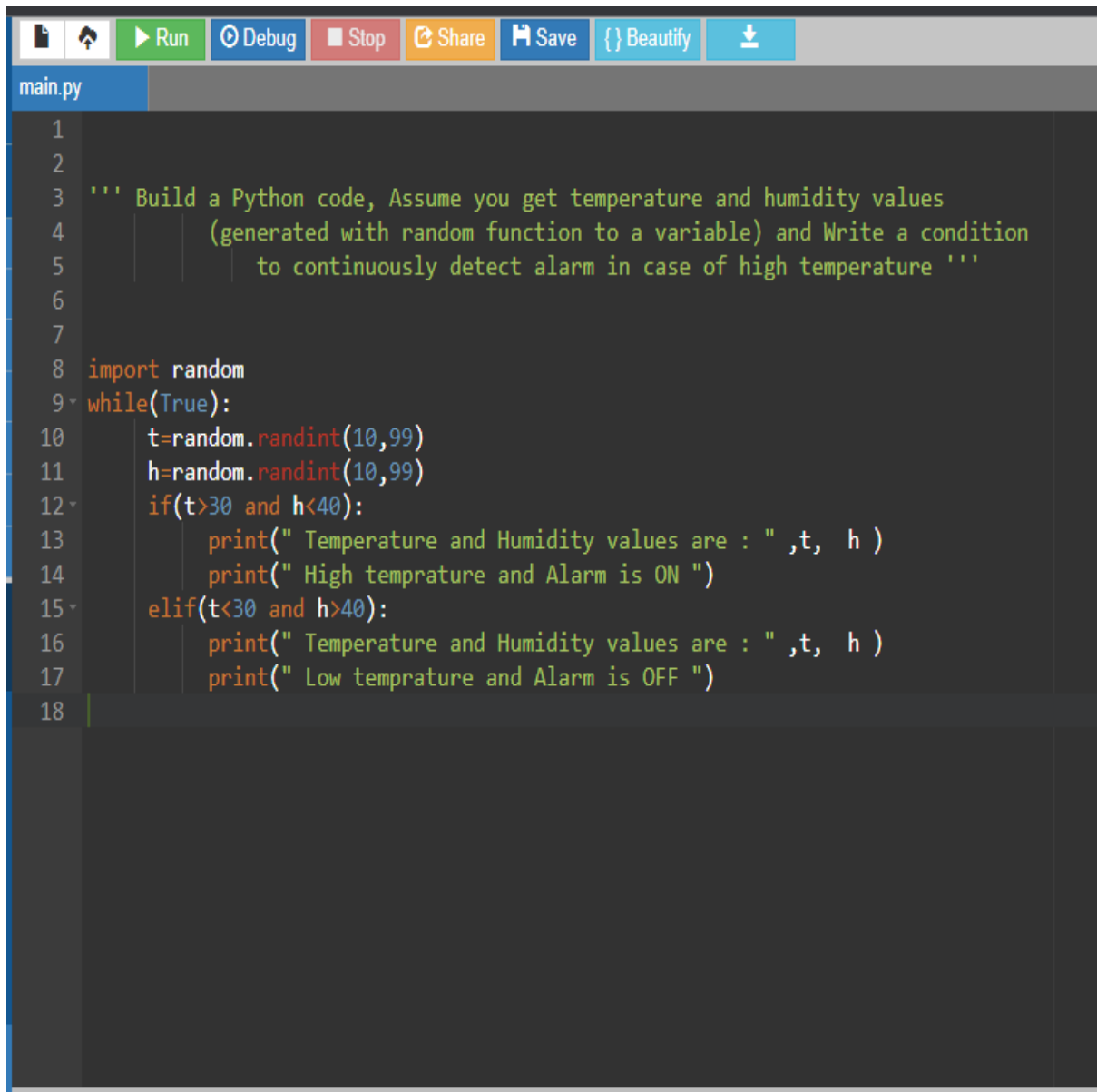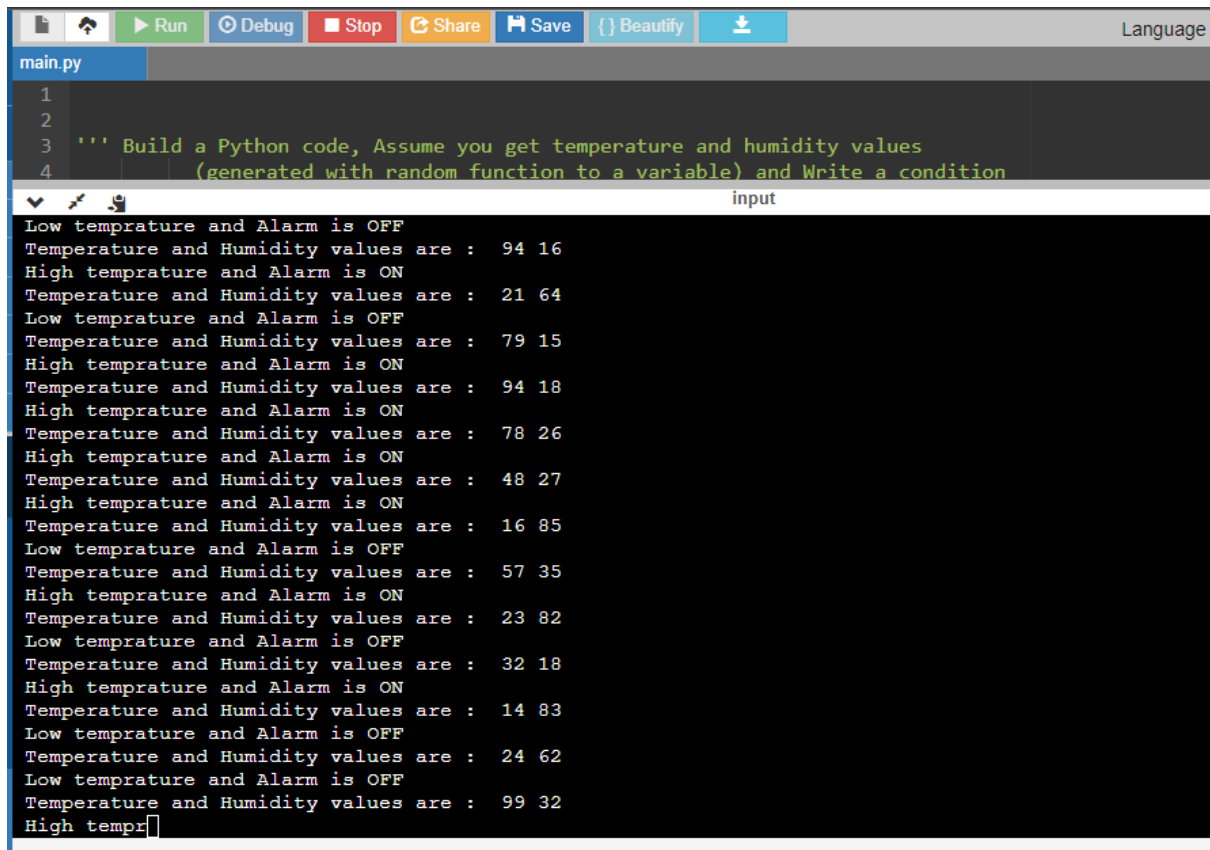
## Coding

```python
'''  Build a Python code, Assume you 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 '''


import random
while(True):
    t=random.randint(10,99)
    h=random.randint(10,99)
    if(t>30 and h<40):
        print(" Temperature and Humidity values are : " ,t,  h )
        print(" High temprature and Alarm is ON ")
    elif(t<30 and h>40):
        print(" Temperature and Humidity values are : " ,t,  h )
        print(" Low temprature and Alarm is OFF ")
```

# Output

```
main.py
1
2
3    ''' Build a Python code, Assume you get temperature and humidity values
4        (generated with random function to a variable) and Write a condition
```

```
                                          input
Low temprature and Alarm is OFF
Temperature and Humidity values are :  94 16
High temprature and Alarm is ON
Temperature and Humidity values are :  21 64
Low temprature and Alarm is OFF
Temperature and Humidity values are :  79 15
High temprature and Alarm is ON
Temperature and Humidity values are :  94 18
High temprature and Alarm is ON
Temperature and Humidity values are :  78 26
High temprature and Alarm is ON
Temperature and Humidity values are :  48 27
High temprature and Alarm is ON
Temperature and Humidity values are :  16 85
Low temprature and Alarm is OFF
Temperature and Humidity values are :  57 35
High temprature and Alarm is ON
Temperature and Humidity values are :  23 82
Low temprature and Alarm is OFF
Temperature and Humidity values are :  32 18
High temprature and Alarm is ON
Temperature and Humidity values are :  14 83
Low temprature and Alarm is OFF
Temperature and Humidity values are :  24 62
Low temprature and Alarm is OFF
Temperature and Humidity values are :  99 32
High tempr
```