Problem statement : IoT Based Safety Gadget for Child Safety Monitoring and Notification

Domain : Internet of Things(IOT)

Assignment 2: 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.

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Python code:
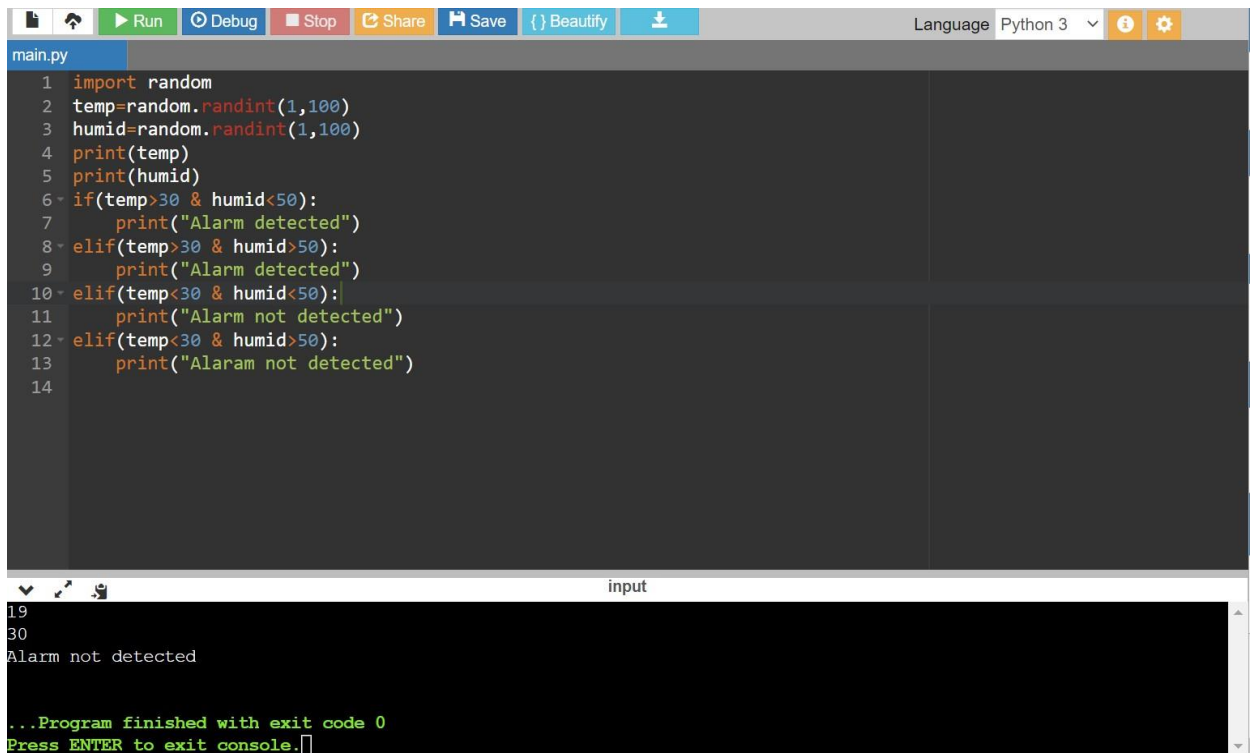
```python
import random
temp=random.randint(1,100)
humid=random.randint(1,100)
print(temp)
print(humid)
if(temp>30 & humid<50):
    print("Alarm detected")
elif(temp>30 & humid>50):
    print("Alarm detected")
elif(temp<30 & humid<50):
    print("Alarm not detected")
elif(temp<30 & humid>50):
    print("Alaram not detected")
```

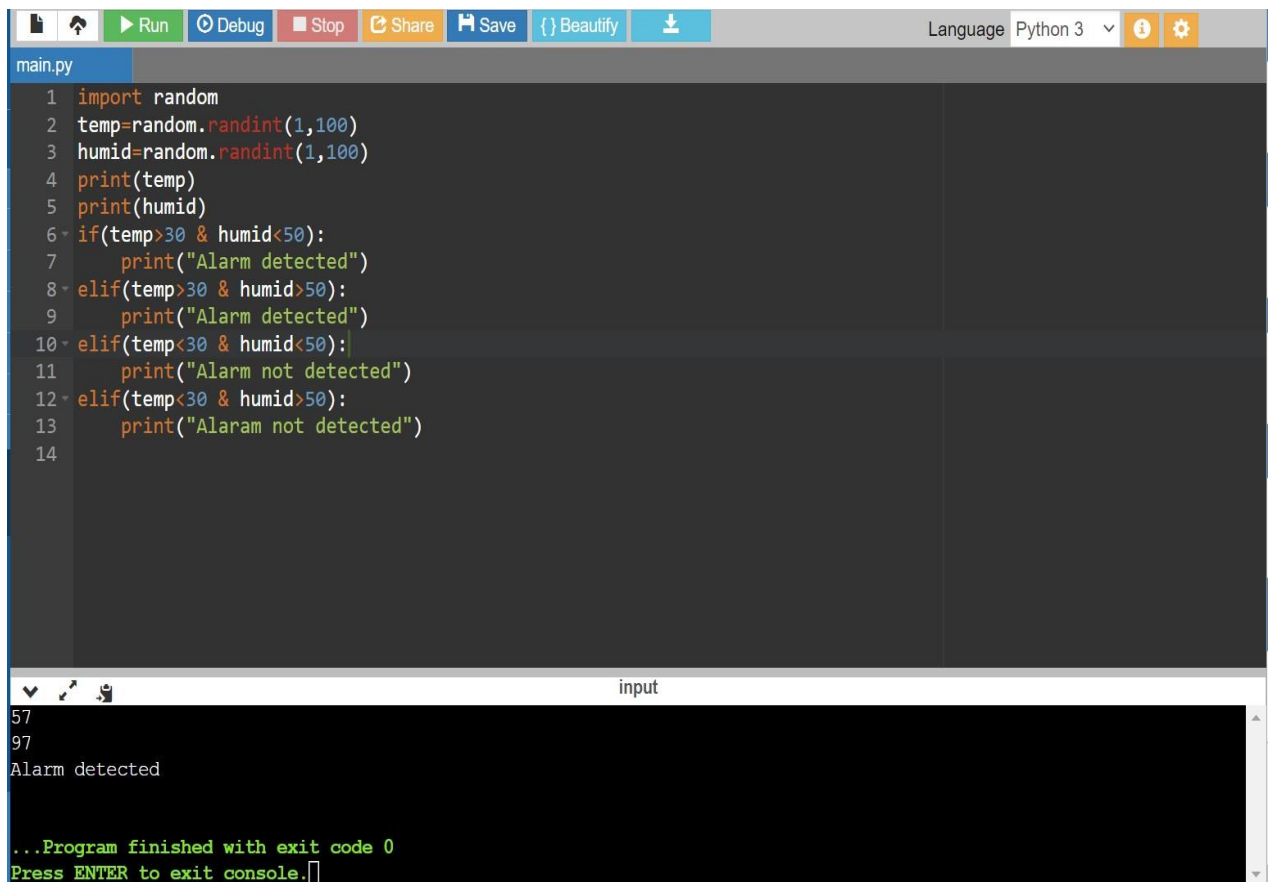OUTPUT:

i)   30
19
Alarm not detected.

ii)   57
97
Alarm detected.

main.py

```python
1  import random
2  temp=random.randint(1,100)
3  humid=random.randint(1,100)
4  print(temp)
5  print(humid)
6  if(temp>30 & humid<50):
7      print("Alarm detected")
8  elif(temp>30 & humid>50):
9      print("Alarm detected")
10 elif(temp<30 & humid<50):
11     print("Alarm not detected")
12 elif(temp<30 & humid>50):
13     print("Alaram not detected")
14
```

input

```
19
30
Alarm not detected


...Program finished with exit code 0
Press ENTER to exit console.
```

main.py

```python
1  import random
2  temp=random.randint(1,100)
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12 elif(temp<30 & humid>50):
13     print("Alaram not detected")
14
```

input

```
57
97
Alarm detected


...Program finished with exit code 0
Press ENTER to exit console.
```