To Get Temperature and Humidity Value and To Detect Alarm in High Temperature.

Program:

```
import random
 while (True):
 temperature=random.randint(10,99)
humidity=random.randint(10,99)
 print("Current Temperature: ",temperature)
print("Current Humidity: ",humidity,"%")
 temperature_ref=40
  humidity_ref=45
  if temperature>temperature_ref and humidity<humidity_ref:
print("Alarm is ON")
else:
  print("Alarm is OFF")   break
```

Output:

main.py   Shell

```python
import random
while (True):
    temperature=random.randint(10,99)
    humidity=random.randint(10,99)
    print("Current Temperature: "
        ,temperature)
    print("Current Humidity: ",humidity
        ,"%")
    temperature_ref=40
    humidity_ref=45
    if temperature>temperature_ref and
        humidity<humidity_ref:
        print("Alarm is ON")
    else:
        print("Alarm is OFF")
        break
```

Run

main.py   Shell

```
Current Temperature:  52
Current Humidity:  83 %
Alarm is OFF
>
```