```python
import random
from time import *
gate=True
while(gate):
    t = random.randint(0,50)
    h = random.randint(10,50)
    if t>45 and h<40:
        print("Temperature =",t,"Humidity =",h)
        print("ALARM ON")
        gate=False
    else:
        print("Temperature =",t,"Humidity",h)
        sleep(1);
```

```
Temperature = 36 Humidity 31
Temperature = 20 Humidity 25
Temperature = 29 Humidity 22
Temperature = 47 Humidity = 29
ALARM ON
```