Program:

```python
import random
while(temperature and humidity):
    temperature=random.randint(15,90)
    humidity=random.randint(15,90)

    if (temperature>35 and humidity>55 ):
        print("High temperature and humidity of:",temperature,humidity,"Alarm is on")
    elif (temperature>35 and humidity<55):
        print("High temperature and Normal humidity of:",temperature,humidity,"Alarm is on")
    elif (temperature<35 and humidity>55):
        print("Normal temperature and High humidity of:",temperature,humidity,"Alarm is on")
    else:
        print("Normal temprature and humidity of:",temperature,humidity,"Alarm is off")
```

main.py

```python
1
2 import random
3 while(True):
4     a=random.randint(10,99)
5     b=random.randint(10,99)
6     if(a>35 and b>60):
7         print("high temprature and humidity of:",a,b,"%","alarm
            is on")
8     elif(a<35 and b<60):
9         print("Normal temprature and humidity of:",a,b,"%","alarm
            is off")
10
```

Shell

```
high temprature and humidity of: 54 76 % alarm is on
high temprature and humidity of: 44 95 % alarm is on
high temprature and humidity of: 61 91 % alarm is on
high temprature and humidity of: 65 77 % alarm is on
Normal temprature and humidity of: 31 48 % alarm is off
high temprature and humidity of: 88 65 % alarm is on
high temprature and humidity of: 76 81 % alarm is on
high temprature and humidity of: 40 90 % alarm is on
high temprature and humidity of: 59 73 % alarm is on
high temprature and humidity of: 91 79 % alarm is on
high temprature and humidity of: 92 64 % alarm is on
Normal temprature and humidity of: 19 40 % alarm is off
high temprature and humidity of: 63 71 % alarm is on
high temprature and humidity of: 71 88 % alarm is on
Normal temprature and humidity of: 31 18 % alarm is off
Normal temprature and humidity of: 14 41 % alarm is off
high temprature and humidity of: 67 76 % alarm is on
high temprature and humidity of: 75 71 % alarm is on
Normal temprature and humidity of: 28 27 % alarm is off
Normal temprature and humidity of: 23 53 % alarm is off
```

Clear