

ASSIGNMENT-2

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IOT Based Safety Gadgets for Child Safety Monitoring & Notification

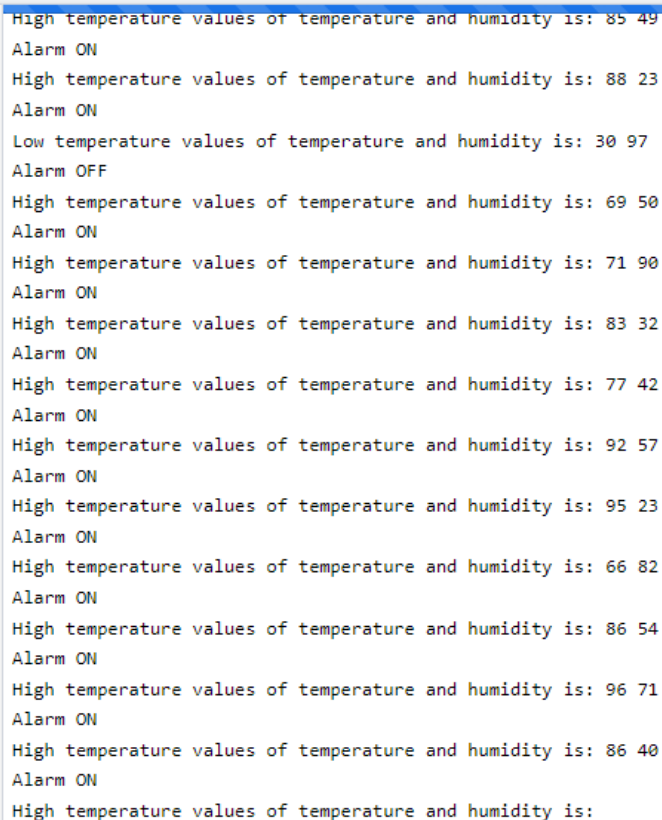
Program for temperature and humidity to indicate alarm continuous in high temperature using generated random variables:

```
import random
while(True):
    temp=random.randint(20,100)
    hum=random.randint(20,100)

    if(temp>=60 and hum<=90):
        print("High temperature values of temperature and humidity
is:",temp,hum);
        print("Alarm ON");

    elif(temp<60 and hum>90):
        print("Low temperature values of temperature and humidity
is:",temp,hum);
        print("Alarm OFF");
```

OUTPUT:



```
High temperature values of temperature and humidity is: 85 49
Alarm ON
High temperature values of temperature and humidity is: 88 23
Alarm ON
Low temperature values of temperature and humidity is: 30 97
Alarm OFF
High temperature values of temperature and humidity is: 69 50
Alarm ON
High temperature values of temperature and humidity is: 71 90
Alarm ON
High temperature values of temperature and humidity is: 83 32
Alarm ON
High temperature values of temperature and humidity is: 77 42
Alarm ON
High temperature values of temperature and humidity is: 92 57
Alarm ON
High temperature values of temperature and humidity is: 95 23
Alarm ON
High temperature values of temperature and humidity is: 66 82
Alarm ON
High temperature values of temperature and humidity is: 86 54
Alarm ON
High temperature values of temperature and humidity is: 96 71
Alarm ON
High temperature values of temperature and humidity is: 86 40
Alarm ON
High temperature values of temperature and humidity is:
```

g p

p u

Alarm X

High temperature values of temperature aod humidity is: 99 62

Alarm X

High temperature values of temperature aod humidity is: 82 50

Alarm X

High temperature values of temperature aod humidity is: 65 85

Alarm X

High temperature values of temperature aod humidity is: 62 44

Alarm X

High temperature values of temperature and humi dQty is : 98 69

Alarm X

High temperature values of temperature aod humidity is: 85 72

Alarm X

High temperature values of temperature aod humidity is: 87 23

Alarm X

High temperature values of temperature aod humidity is: 63 85

Alarm X

High temperature values of temperature aod humidity is: 96 33

Alarm X

High temperature values of temperature aod humidity is: 65 24

Alarm X

High temperature values of temperature aod humidity is: 84 42

Alarm X

High temperature values of temperature aod humidity is: 82 51

Alarm X

High temperature values of temperature aod humidity is: