ASSIGNMENT-2

GAYATHRI.K
421319106009
IOT Based Safety Gadgets for Child Safety Monitoring & Notifiction
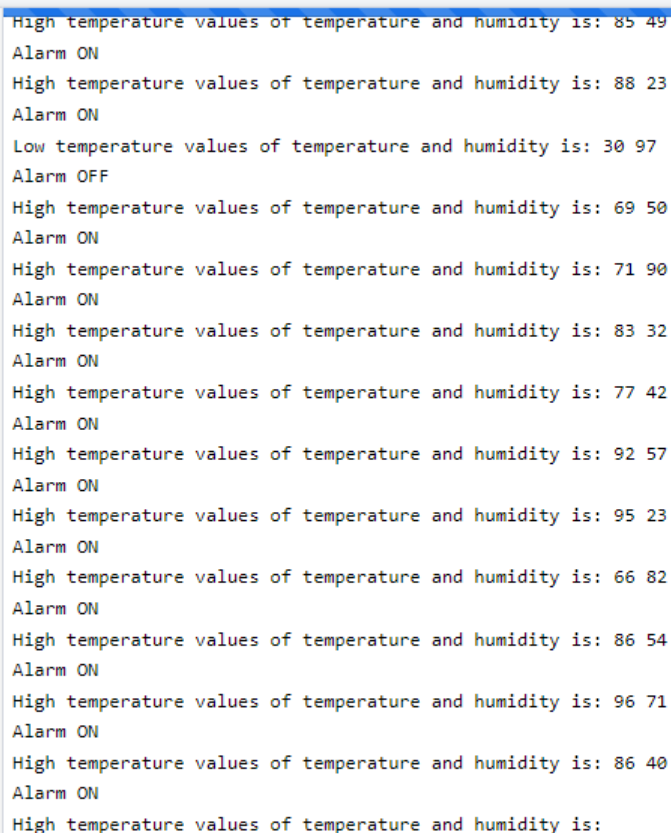
Program for temperature and humidity to indicate alarm continuous in high temperature using generated random variables:

```
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:
```

```
High temperature values of temperature and humidity is: 61 80
Alarm ON
High temperature values of temperature and humidity is: 99 62
Alarm ON
High temperature values of temperature and humidity is: 82 50
Alarm ON
High temperature values of temperature and humidity is: 65 85
Alarm ON
High temperature values of temperature and humidity is: 62 44
Alarm ON
High temperature values of temperature and humidity is: 98 69
Alarm ON
High temperature values of temperature and humidity is: 85 72
Alarm ON
High temperature values of temperature and humidity is: 87 23
Alarm ON
High temperature values of temperature and humidity is: 63 85
Alarm ON
High temperature values of temperature and humidity is: 96 33
Alarm ON
High temperature values of temperature and humidity is: 65 24
Alarm ON
High temperature values of temperature and humidity is: 84 42
Alarm ON
High temperature values of temperature and humidity is: 82 51
Alarm ON
High temperature values of temperature and humidity is:
```