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#program for temperature sensing
import random
i=1
while i<=1:
    c=random.choice(range(15,30,1)) #random temp readings
    x=c
    print(x)
    if x>15:
        if x<25:
            print("normal temperature") #temp between 15 to 25
        else:
            print("high temperature") #temp greater than 25
            print("alarm detected")
    else:
        print("low temperature") #temp less than 15

```

```

#program for temperature sensing
import random
i=1
while i<=1:
    d=random.choice(range(30,90,1)) #random temp readings
    h=d
    print(h)
    if h>30:
        if h<60:
            print("normal humidity") #humidity between 30% to 60%
        else:
            print("high humidity") #humidity greater than 60%
            print("alarm detected")
    else:
        print("low humidity") #humidity less than 30%

```