

ASSIGNMENT 02

```
import random

def detect(f,h):
    if(h>40 and (f>=80 and f<90)):
        print("STATUS: Alarm detected - Caution")
    elif(h>40 and (f>=90 and f<=96)):
        print("STATUS: Alarm detected - Extreme Caution")
    elif(h>40 and (f>=97 and f<=106)):
        print("STATUS: Alarm detected - Danger")
    elif(h>40 and (f>106 and f<=110)):
        print("STATUS: Alarm detected - Extreme Danger")

#humidity -->in %
humid = random.randint(20,100)
print("Humidity detected(%) - ",humid)
faren = random.randint(80,110)
print("Temperature detected(F) - ",faren)
detect(faren,humid)
```