#ASSIGNMENT-2

"""Build a python code,assume u get temperature and humidity values(generated with random function to a variable)and write a condition to continusoly detect alarm in case of high temperature"""

import random

import time

while(1):

temperature=random.randint(0,200) #TO GENERATE RANDOM NUMBER FOR TEMPERATURE

print("Temperature="+str(temperature)+"℉")

print("Temperature in celcius:"+str(((temperature-32)\*5)//9)+"℃")

if(temperature>50): #IF TEMPERATURE GOES HIGH THEN ALARM IS ON

print("Temperature is too high")

print("The Alarm is ON")

else: #TEMPERATURE VALUE GOES NORMAL THEN ALARM IS OFF

print("Temperature is normal")

print("The Alarm is OFF")

humidity=random.randint(0,100) #TO GENERATE RANDOM NUMBER FOR HUMIDITY

print("Humidity="+str(humidity)+"%")

if(humidity<50):

print("Humidity is less than 50")

else:

print("Humidity is greater than 50")

time.sleep(2)