# ASSIGNMENT 2

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**Build a python code. Assume u get temperature and humidity values and write a condition to detect an alarm in case of high temperature continuously.**

**PROGRAM:**

import random

import time while(1):

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

    print("Temperature="+str(temperature)+ "$^O$F")

    print("Temperature in celcius:"+str(((temperature-32)*5)//9)+ "$^O$C")

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

    print("Temperature is too high")

    print("The Alarm is ON")

else:

    print("Temperature is normal")

    print("The Alarm is OFF")

```python
    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)
```
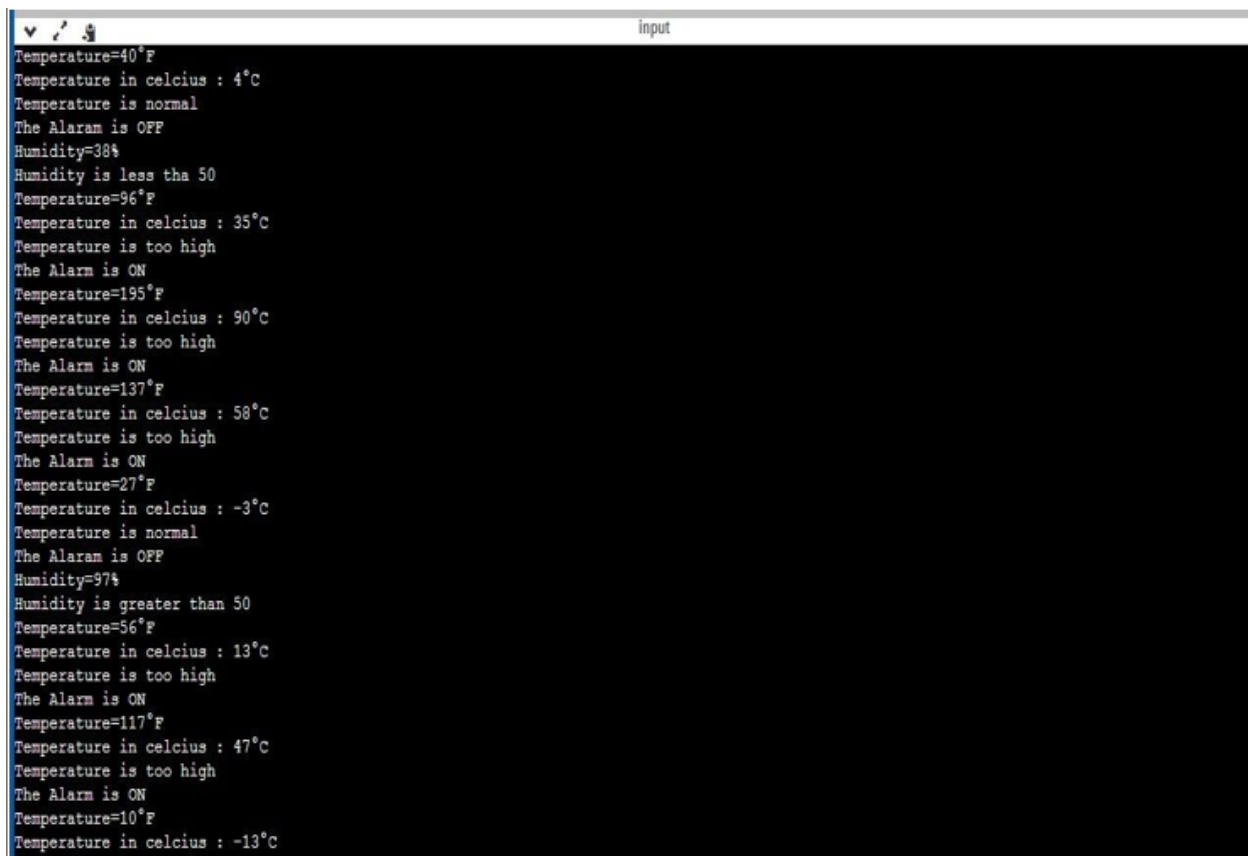
**OUTPUT:**