

# **ASSIGNMENT – 2**

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## **OBJECTIVES**

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

## **CODE**

```
import random  
while(True):  
    t=random.randint(10,99)  
    h=random.randint(10,99)  
    if(t>30 and h<40):
```

```
print("High temperature and values of  
temperature & humidity is:",t,h,"Alarm is  
on")
```

```
elif(t<30 and h>40)
```

```
print("Low temperature and values of  
temperature & humidity is:",t,h,"Alarm is  
off")
```

## OUTPUT

The image shows a Windows desktop environment. In the foreground, a terminal window titled "Shell 3.10.7" is open, displaying a Python script and its output. The script is a loop that prints random temperature and humidity values along with an alarm status. The output shows multiple iterations of these values. The desktop background is dark blue. The taskbar at the bottom shows various application icons, including the Start button, File Explorer, Edge browser, and several other apps. The system clock in the bottom right corner shows the time as 8:51 PM on 10/3/2022. The weather widget in the bottom left corner shows 87°F and "Partly cloudy".