

<b>NAME</b>	<b>NAVEENKUMAR S</b>
<b>REG NO</b>	<b>611819106031</b>
<b>TOPIC</b>	<b><i>ASSIGNMENT ON TEMPERATURE AND HUMIDITY SENSING AND ALARM AUTOMATION USING PYTHON</i></b>
<b>PROJECT TITLE</b>	<b>REAL TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM</b>
<b>ASSIGNMENT NO</b>	<b>02</b>
<b>MENTOR</b>	<b>PRAKASAM L ASP/ECE</b>
<b>COLLEGE NAME</b>	<b>P.S.V. COLLEGE OF ENGINEERING AND TECHNOLOGY</b>

## **PYTHON CODE:**

```
import random,time
```

```
print(" \n\t Alarm System !\n")
```

```
while True:
```

```
    a = random.randint(1,80)
```

```
    b = random.randint(1,70)
```

```
    if a>=40 :
```

```
        if b >= 35:
```

```
            for i in range(1):
```

```
                time.sleep(1)
```

```
                print(f"\n\tHigh Temp {a} ! & Humidity val also High  
{b} ! \n")
```

```
                time.sleep(1)
```

```
                continue
```

```
                time.sleep(2)
```

```
    else :
```

```
        print(f"Low Temp {a} ")
```

# OUTPUT:

C:\Windows\py.exe

```
Alarm System !  
Low Temp 14  
High Temp 75 ! & Humidity val also High 36 !  
Low Temp 7  
Low Temp 6  
Low Temp 24  
Low Temp 7  
High Temp 60 ! & Humidity val also High 50 !  
Low Temp 33  
Low Temp 26  
Low Temp 21  
High Temp 67 ! & Humidity val also High 36 !  
High Temp 54 ! & Humidity val also High 42 !  
High Temp 41 ! & Humidity val also High 52 !  
High Temp 58 ! & Humidity val also High 41 !  
Low Temp 32  
Low Temp 36  
High Temp 55 ! & Humidity val also High 57 !  
Low Temp 4  
High Temp 41 ! & Humidity val also High 54 !  
High Temp 60 ! & Humidity val also High 58 !
```