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TOPIC	<i>ASSIGNMENT ON TEMPERATURE AND HUMIDITY SENSING AND ALARM AUTOMATION USING PYTHON</i>
PROJECT TITLE	REAL TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM
ASSIGNMENT NO	02
MENTOR	PRAKASAM L ASP/ECE
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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 !
```