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

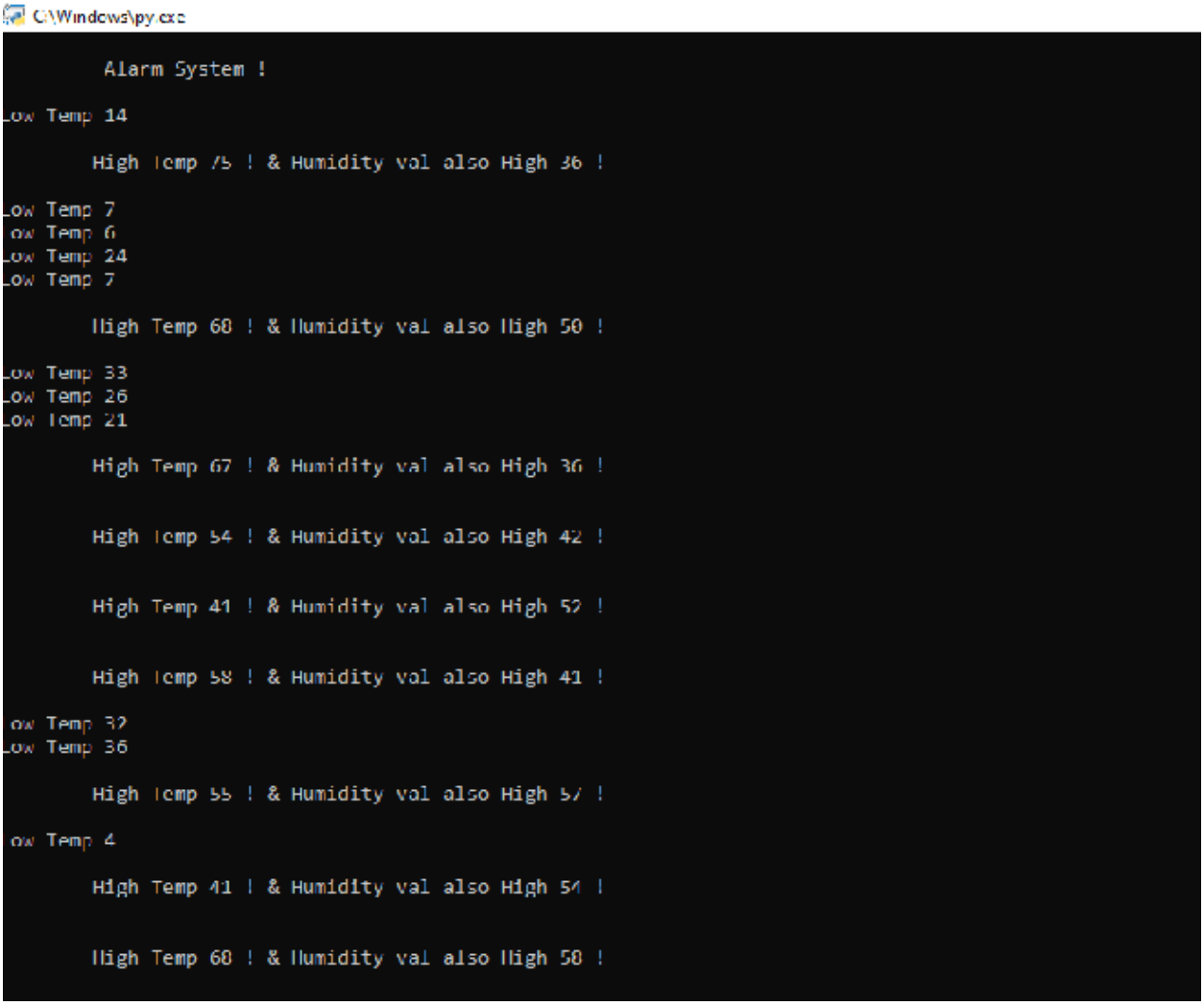
PYTHON CODE:

```
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 !