TOPIC	ASSIGNMENT ON TEMPARATURE AND HUMIDITY SENSING AND ALARM AUTOMATION USING PYTHON
PROJECT TITLE	SMART SOLUTION FOR RAILWAYS
COLLEGE NAME	J.K.K.NATARAJA COLLEGE OF ENGINEERING AND TECHNOLOGY
ASSIGNMENT NO	02

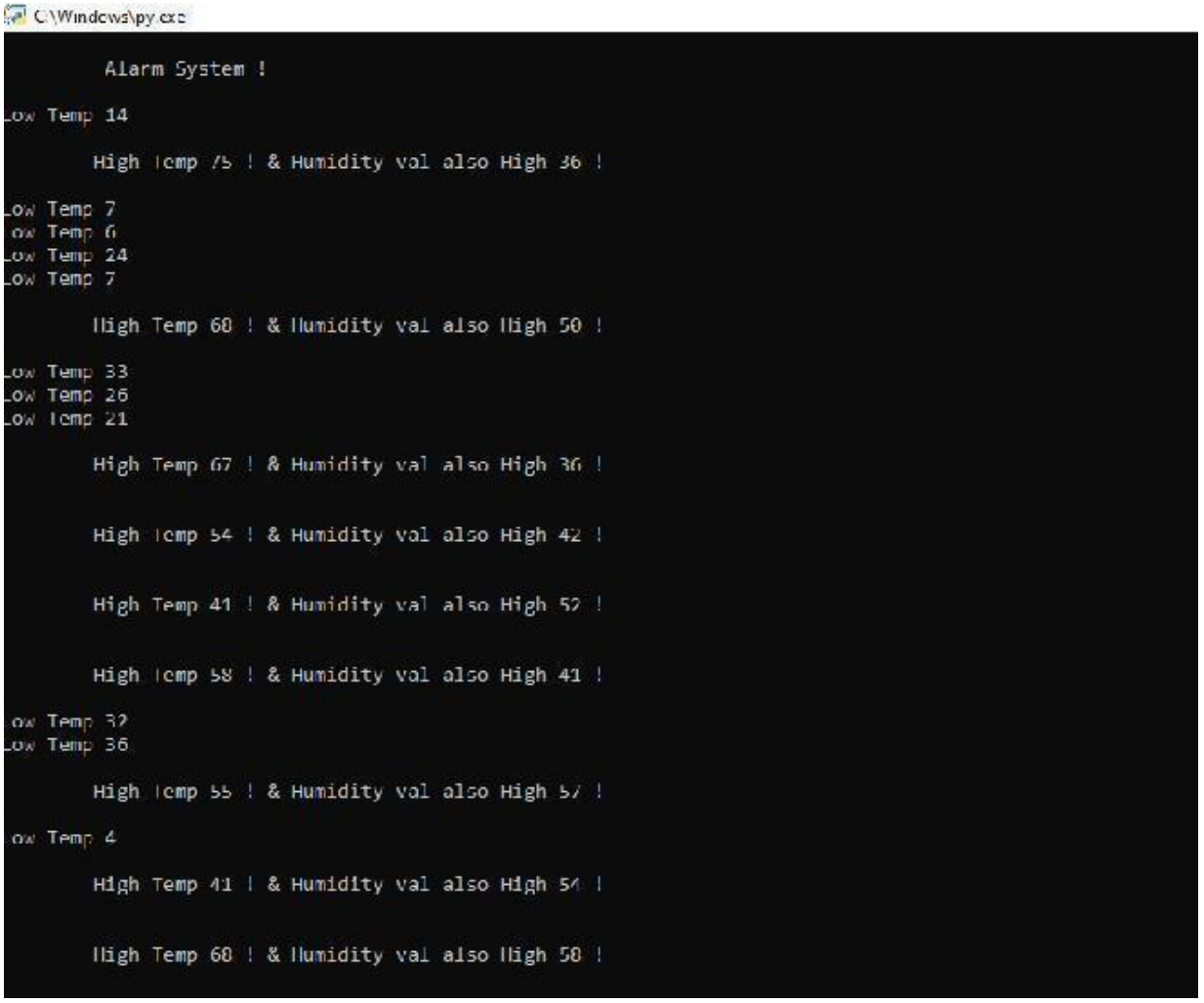
PYTHON CODE:

```
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 68 ! & 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 68 ! & Humidity val also High 50 !