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REGISTER NO	611819106051
TOPIC	ASSIGNMENT ON TEMPERATURE & HUMINITY SENSING ALARM USING PYTHON AUTOMATION
PROJECT TITLE	SMART SOLUTION FOR RAILWAYS
MENTOR NAME	PRAKASAM L ASP/ECE
COLLEGE NAME	PSV COLLEGE OF ENGINEERING & TECHNOLOGY
ASSIGNMENT NO	2

Program

```

Import random
Import time
print (“ \n\t Temperature & Huminity alarm System \n”)
while True :
    a = random.randint(1,200)
    b = random.randint( 1,100 )
    if a >= 180 and b>= 60 :
        print(f” \n\t Temperature increased \n”)
        for i in range (10 ) :
            print ( f“ High Temp { a } and huminity also High {b}”)
            time.sleep(2)
            continue
    else :
        print( f” Low temp {a} “)
        time.sleep(1)

```

Output

Alarm System

Low temp 1 & Humudity 23 !
Low temp 181 & Humudity 35 !
Low temp 195 & Humudity 38 !
Low temp 165 & Humudity 51 !
Low temp 173 & Humudity 53 !
Low temp 125 & Humudity 62 !
Low temp 35 & Humudity 24 !
Low temp 131 & Humudity 98 !
Low temp 60 & Humudity 85 !
Low temp 66 & Humudity 37 !
Low temp 108 & Humudity 41 !

Temp increased

High temp 190 and humidity is 86 !

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High temp 190 and humidity is 86 !

Low temp 14 & Humudity 88 !
Low temp 45 & Humudity 14 !
Low temp 76 & Humudity 99 !
Low temp 18 & Humudity 36 !
Low temp 76 & Humudity 46 !
Low temp 74 & Humudity 93 !
Low temp 47 & Humudity 85 !
Low temp 144 & Humudity 91 !
Low temp 70 & Humudity 67 !
Low temp 8 & Humudity 54 !
Low temp 31 & Humudity 13 !
Low temp 180 & Humudity 58 !
Low temp 178 & Humudity 85 !
Low temp 24 & Humudity 3 !

Temp increased

High temp 192 and humidity is 67 !

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