Professional Readiness for Innovation, Employability and Entrepreneurs

ASSIGNMENT:2

PYTHON PROGRAM FOR TEMPERATURE AND HUMIDITY

Submitted By:

Kavipriya Devi. V

961819106032

B12-6A2E

Python Programe:

```
a=int(input("Enter temperature value: "))
b=int(input("Enter humidity value: "))
def hightemp(x,y):
    if (x>=100):
        print("TEMPERATURE DETECTED IS HIGH: ",x)
        if (y>=90):
            print("HUMIDITY DETECTED IS HIGH: ",y)
            print("ENVIRONMENT IS IN GOOD CONDITION")
            print("BUZZER OFF")
        else:
            print("HUMIDITY DETECTED IS LOW: ",y)
            print("HAZZARD DETECTED")
            print("BUZZER ON")
    else:
        print("TEMPERATURE DETECTED IS LOW: ",x)
        print("PLESENT ENVIRONMENT CONDITION")
hightemp(a,b)
```

Output:

Assume temperature to be ‘a’ and humidity to be ‘b’

Condition:1

For a=100 & b=90

Enter temperature value: 100

Enter humidity value: 90

TEMPERATURE DETECTED IS HIGH: 100

HUMIDITY DETECTED IS HIGH: 90

ENVIRONMENT IS IN GOOD CONDITION

BUZZER OFF

Condition:2

For a=70 & b=95

Enter temperature value: 70

Enter humidity value: 95

TEMPERATURE DETECTED IS LOW: 70

PLESENT ENVIRONMENT CONDITION

Condition:3

For a=110 & b=89

Enter temperature value: 110

Enter humidity value: 89

TEMPERATURE DETECTED IS HIGH: 110

HUMIDITY DETECTED IS LOW: 89

HAZZARD DETECTED

BUZZER ON

Condition:4

For a=110 & b=100

Enter temperature value: 110

Enter humidity value: 100

TEMPERATURE DETECTED IS HIGH: 110

HUMIDITY DETECTED IS HIGH: 100

ENVIRONMENT IS IN GOOD CONDITION

BUZZER OFF