Innovation, Employability Professional Readiness for and Entrepreneurship

ASSIGNMENT – 2

PYTHON PROGRAM FOR TEMPERATURE AND HUMIDITY

SUBMITTED BY

CALEB SAMUEL D
REG NO: 961819106015
BATCH : B12-6A2E

PYTHON PROGRAM : -

```python
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'
(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

(2)For a=70 & b=95
Enter temperature value: 70
Enter humidity value: 95
TEMPERATURE DETECTED IS LOW: 70
PLESENT ENVIRONMENT 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

(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