**Innovation, Employability Professional Readiness for**

**and Entrepreneurship**

ASSIGNMENT – 2

**PYTHON PROGRAM FOR TEMPERATURE AND HUMIDITY**

SUBMITTED BY

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PYTHON PROGRAM : -

x=int(input("Enter the value of temperature: "))

y=int(input("Enter the value of humidity: "))

def hightemp(a,b):

    if (a>=100):

        print("DETECTION OF TEMPERATURE IS HIGH: ",a)

        if (b>=90):

            print("DETECTION OF HUMIDITY IS HIGH: ",b)

            print("ENVIRONMENT CONDITION IS GOOD")

            print("BUZZER IS OFF")

        else:

            print("DETECTION OF HUMIDITY IS LOW: ",b)

            print("HAZZARD IS DETECTED")

            print("BUZZER IS ON")

    else:

        print("DETECTION OF TEMPERATURE IS LOW: ",a)

        print("PLESENT ENVIRONMENT CONDITION")

hightemp(x,y)

OUTPUT:-

Assume temperature to be ‘x’ and humidity to be ‘y’

1. For x=110 & y=95

Enter the value of temperature: 110

Enter the value of humidity: 95

DETECTION OF TEMPERATURE IS HIGH:  110

DETECTION OF HUMIDITY IS HIGH:  95

ENVIRONMENT CONDITION IS GOOD

BUZZER IS OFF

(2)For x=80 & y=100

Enter the value of temperature: 80

Enter the value of humidity: 100

DETECTION OF TEMPERATURE IS LOW:  80

PLESENT ENVIRONMENT CONDITION

(3)For x=121   & y=85

Enter the value of temperature: 121

Enter the value of humidity: 85

DETECTION OF TEMPERTURE IS HIGH:  121

DETECTION OF HUMIDITY IS LOW:  85

HAZZARD IS DETECTED

BUZZER IS ON

(4)For a=105 & b=101

Enter the value of temperature: 105

Enter the value of humidity: 101

DETECTION OF TEMPERATURE IS HIGH:  105

DETECTION OF HUMIDITY IS HIGH:  101

ENVIRONMENT CONDITION IS GOOD

BUZZER IS OFF