

**Innovation, Employability Professional
Readiness for
and Entrepreneurship**

ASSIGNMENT – 2

**PYTHON PROGRAM FOR
TEMPERATURE AND
HUMIDITY**

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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

