

**Assignment – 2**  
**Python Programming**

**Dinesh R**  
**73151921016**  
**KSR College of Engineering**

**Question-1:**

Build a python code, Assume you get humidity and temperature values (generated with random function to a variable) and write a condition continuously detect alarm in case of high temperature.

**SOLUTION:**

```
import random
```

```
while True:
```

```
    a=random.randint(35,100)
```

```
b=random.randint(50,100)
```

```
    print("_____")
```

```
if a>40:
```

```
    print("High temperature is detected")
```

```
print("Buzzer on,alarm sound is high")    elif
```

```
a==40:
```

```
    print("Temperature reached maximum threshold of 40 degrees celsius")
```

```
else:
```

```
    print("Good temperature")
```

```
#for Humidity
```

```
if b>60 :
```

```
        print("High humidity is detetcted")
print("Buzzer on,alarm sound is high")    elif
a == 60:

    print("Humidity reached maximum thershold of 65 percent")
else:
    print("good humidity")
```

output:

High temperature is detetcted

Buzzer on,alarm sound is high

-----  
High temperature is detetcted  
Buzzer on,alarm sound is high

-----  
High temperature is detetcted  
Buzzer on,alarm sound is high

-----  
Temprature reached maximum thershold of 30 degrees celsi  
High humidity is detetcted  
Buzzer on,alarm sound is high

High temperature is detetcted

High flu\*idity is detetcted

High temperature is detetcted  
-----

```
main.py | +
8     prin't(' ----- ')
9     if a>46:
10         print("High temperature is detetcted")
11         print("Buzzer on,alarm sound is high")
12     elif a==40:
13         print("Temprature reached maximum thershold of 40 degrees celsius")
14     else:
15         print("Good temperature")
16 #*or Humidity
17*     if b>60 :
18         print("High humidity is detetcted")
19         print("Buzzer on,alarm sound is high")
20     elif a == 60:
```

Ln: 23, Col: 31



Run



Share

Command Line Arguments

High temperature is detetcted  
Buzzer ou,alarm souud is high  
High humidity is detetcted  
Buzzer ou,alarm souud is high

High temperature is detetcted  
, Buzzer ou,alarm souud is high  
High humidity is detetcted