

ASSIGNMENT 2

Assignment Date	28.09.2022
Student Name	Karthika.R
Student RollNo	820419205029
Maximum Marks	2 Marks

QUESTION:

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

SOLUTION:

```
import random
```

```
while True:
```

```
    t=random.randint(25,100)
```

```
    h=random.randint(40,100)
```

```
    print("-----")
```

```
    if t>30:
```

```
        print("High temperature detetcted")
```

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

```
    elif t==30:
```

```
        print("Temprature reached maximum thershold of 30 degrees celsius")
```

```
    else:
```

```
        print("Temperature is good")
```

```
#for Humidity
```

```
    if h>65 :
```

```
        print("High humidity detetcted")
```

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

```
    elif t == 65:
```

```
        print("Humidity reached maximum thershold of 65 percent")
```

```
    else:
```

```
        print("Humidity is good")
```