

## **Assignment-2**

### **Question-1:**

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):
temp=random.randint(10,99)
humid=random.randint(10,99)
print("current temperature:",temp)
print("current humidity:",humid,"%")
temp_ref=37
humid_ref=35
if temp>temp_ref and humid<humid_ref;
print("Sound alarm")
else:
print("Sound off")
break
```

### **Output:**

Current temperature:86

Current humidity:16%

Sound Alarm

**Program:**

```
import random
while(True):
    temp=random.randint(10,99)
    humid=random.randint(10,99)

    print("current temperature:",temp)
    print("current humidity:",humid,"%")
    temp_ref=37
    humid_ref=35
    if temp>temp_ref and humid<humid_ref:
        print("Sound Alarm")
    else:
        print("Sound off")
    break
```

**Output:**

```
current temperature: 86
current humidity: 16 %
Sound Alarm
>>> |
```