## **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.

# import random

while(True):

**Solution:** 

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

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### 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")</pre>
```

#### **Output:**

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

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