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")</pre>
```

Output:

Current temperature:86

Current humidity:16%

Sound Alarm

Roll No: 717819F205 Name: Balaji S V

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
```

Name: Balaji S V