Assignment -2

Assignment Date	21 September 2022
Student Name	Arvin Raj P.
Student Roll Number	611219106005
Maximum Marks	2 Marks

Question-1:

Build a python code, Assume u 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
import time
import winsound
while True:
temp = random.randint(0, 100)
hum = random.randint(0,100)
print("temerature ", temp, "%")
print("Humidity is ", hum,"%")
if temp >= 60:
print("High temerature ",temp,"%")
winsound.PlaySound(sound='SystemExclamation',flags=winsound.SND
_ ALIAS)
if hum >=50:
print("Humidity ", hum, "%")
winsound.PlaySound(sound='SystemExclamation',
flags=winsound.SND_ALIAS)
time.sleep(1)
print("************************************")
```

Circuit:

```python
import random
import time
import winsound
while True:
    temp = random.randint(0, 100)
    hum = random.randint(0,100)
    print("temerature ", temp, "%")
    print("Humidity is ", hum,"%")
    if temp >= 60:
        print("High temerature ",temp,"%")
        winsound.PlaySound(sound='SystemExclamation',flags=winsound.SND_ALIAS)
    if hum >=50:
        print("Humidity ", hum, "%")
        winsound.PlaySound(sound='SystemExclamation', flags=winsound.SND_ALIAS)
    time.sleep(1)
    print("*************************************")
```

```
*************************************
temerature  77 %
Humidity is  10 %
High temerature  77 %
*************************************
temerature  93 %
Humidity is  63 %
High temerature  93 %
```