Assignment -2

Assignment Date	21 September 2022
Student Name	Arunkumar S.
Student Roll Number	611219106004
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:

```
Assignment IDLE.py - C:/Users/user/Desktop/Arvin/Python/Assignment IDLE.py (3.7.0)
File Edit Shell Debug Options Window Help
                                                                                                                                 File Edit Format Run Options Window Help
                                                                                                                                  import random
import time
import winsound
temerature 93 %
Humidity is 5 %
High temerature 9
                                                                                                                                      oft winsound
le True:

temp = random.randint(0, 100)

hum = random.randint(0,100)

print("Hemerature ", temp, "%")

print("Humidity is ", hum,"%")

if temp >= 60:

print("High temerature ",temp,"%")

winsound.PlaySound(sound='SystemExclamation',flags=winsound.SND_ALIAS)
temerature 7 %
Humidity is 7 %
High temerature 63 %
Humidity 51 %
                                                                                                                                       if hum >=50:
print("Humidity ", hum, "%")
winsound.PlaySound(sound='SystemExclamation', flags=winsound.SND_ALIAS)
                                                                                                                                       time.sleep(1)
print("***********************")
High temerature 79 %
Humidity 81 %
temerature 49 %
Humidity is 31
temerature 46 %
Humidity is 24 %
temerature 70 %
Humidity is 5 %
High temerature 70 %
temerature 39 %
Humidity is 12 %
temerature 27 %
Humidity is 5 %
temerature 41 %
Humidity is 89 %
Humidity 89 %
temerature 80 %
Humidity is 12 %
High temerature 80 %
```