Assignment -2
Python Programming

Assignment Date	28 September 2022
Student Name	DHIVAKARAN.M
Student Roll Number	710419106006
Maximum Marks	2 Marks

Question-1:

Build a python code, Assume u get temperature and humidity values (generated with random functions to a variable) and a condition to continuously detect alarm in case of high temperature.

Solution:

```python
import random
temperature=random.randint(1,100)
humidity=random.randint(1,50)
print(temperature)
print(humidity)
if((temperature<45)&(humidity<35)):
    print("Temperature is normal")
    print("Humidity is normal")
elif((temperature>45)&(humidity<35)):
    print("Temperature is high")
    print("Humidity is low")
elif((temperature<45)&(humidity>35)):
    print("Temperature is low")
    print("Humidity is high")
elif((temperature>45)&(humidity>35)):
    print("Temperature is high")
    print("Humidity is high")
else:
    print("Temperature is very low")
    print("Humidity is very low")
    print("Alarm off")
```

OUTPUT:-

```
80
30
Temperature is high
Humidity is low
```