Assignment -2

Python Programming

Assignment Date	28 September 2022
Student Name	S.Indhupriya
Student Roll Number	710419106011
Maximum Marks	2 Marks

Question-1:

Build a python code, Assume you get a 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:

```python
import random
temperature= int(input("Enter the temperature"))
humidity=int(input("Enter the humidity"))
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")
    print("Alarm is ON")
elif((temperature>45)&(humidity>35)):
    print("Temperature is High")
    print("humidity is High")
elif((temperature<45)&(humidity<35)):
    print("Temperature is low")
    print("humidity is high")
else:
    print("temperature is low")
    print("humidity is low")
    print("Alarm is OFF")
```

```python
import random
temperature= int(input("Enter the temperature"))
humidity=int(input("Enter the humidity"))
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")
    print("Alarm is ON")
elif((temperature>45)&(humidity>35)):
    print("Temperature is High")
    print("humidity is High")
```

Ln: 14, Col: 38

Run   Share   Command Line Arguments

```
Enter the temperature
100
Enter the humidity
20
100
20
Temperature is High
humidity is low
Alarm is ON
```