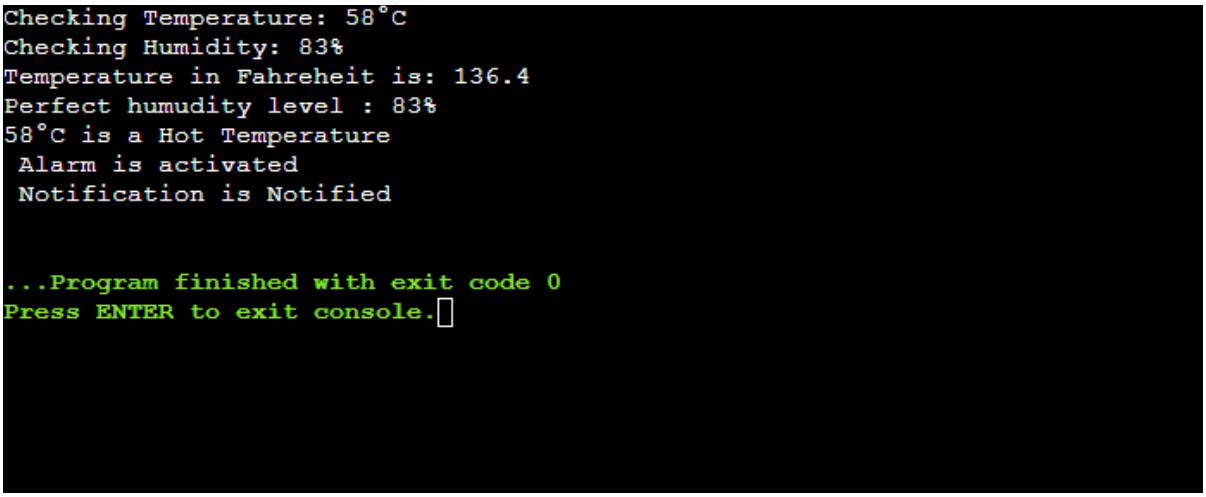
Real-Time River Water Quality Monitoring and Control System

ASSIGNMENT-2

Build a python code. Assume you get values (generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature.

```
import random
import time
temperature = random.randint(-15,100)
humidity = random.randint(1,100)
print(f"Checking Temperature: {temperature}"u'\N{DEGREE SIGN}'"C")
print(f"Checking Humidity: {humidity}%")
f = (temperature * 1.8 ) +32
print("Temperature in Fahreheit is:",f)
if humidity >= 100:
    print(f"Humid humudity level : {humidity}%")
elif 65<humidity<100 :
    print(f"Perfect humudity level : {humidity}%")
else :
    print(f"Dry humudity level : {humidity}%")
 if temperature >=50:
    print(f"{temperature}"u'\N{DEGREE SIGN}'"C is a Hot Temperature\n Alarm is activated \n Notification is Notified")
elif temperature==50:
    print(f"{temperature}"u'\N{DEGREE SIGN}'"C is a Normal Temperature")
    print(f"{temperature}"u'\N{DEGREE SIGN}'"C is a Cold Temperature")
 time.sleep(5)
```

OUTPUT:


Checking Temperature: 58°C
Checking Humidity: 83%
Temperature in Fahreheit is: 136.4
Perfect humudity level : 83%
58°C is a Hot Temperature
Alarm is activated
Notification is Notified
...Program finished with exit code 0
Press ENTER to exit console.