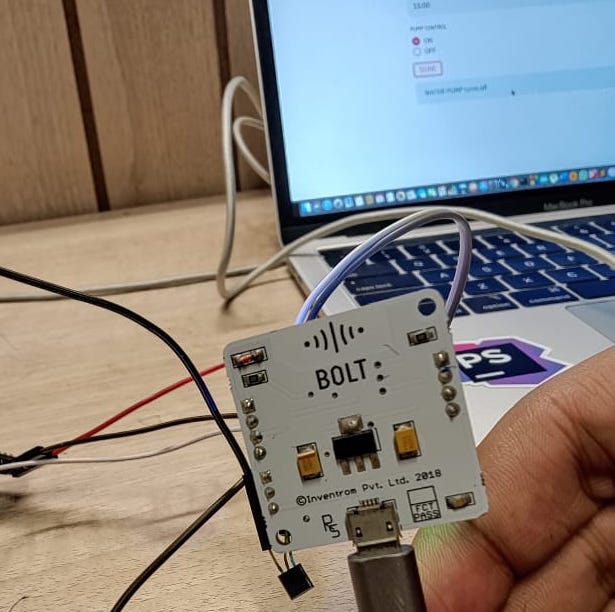
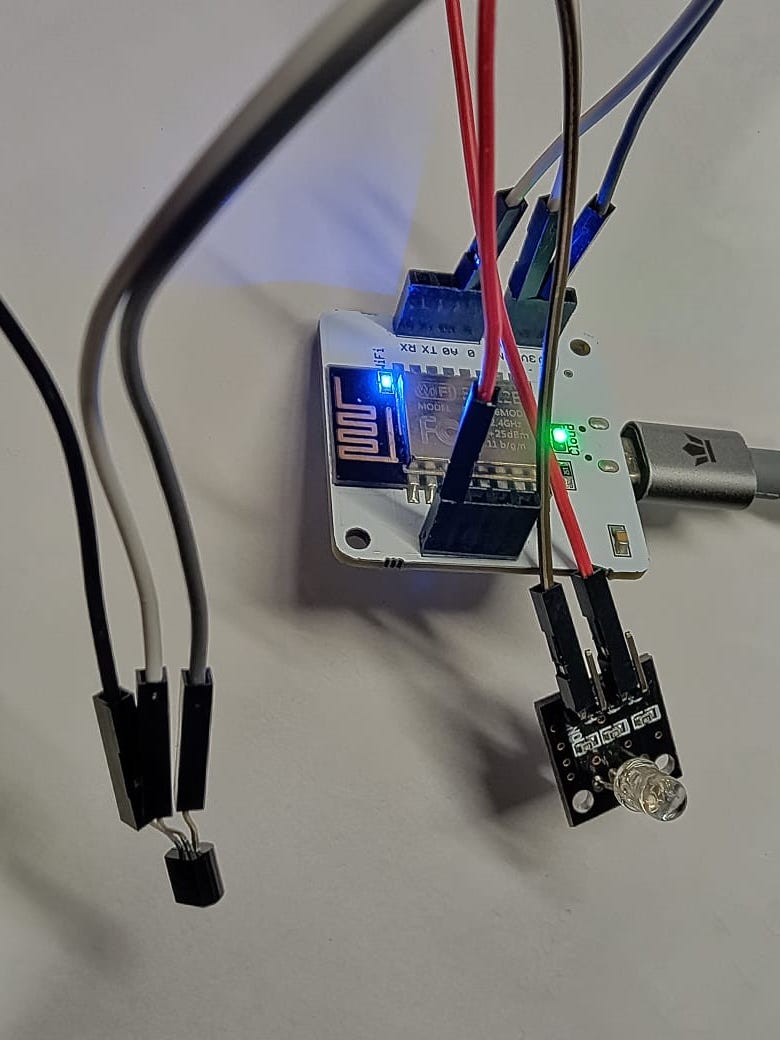
**SMART IRRIGATOR**









# **Things used in this project**

# **Hardware components**

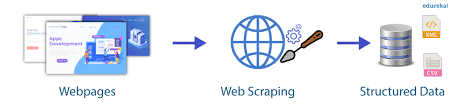
1. Bolt IoT WiFi Module
2. USB-A to Mini-USB Cable
3. LM35 Temperature
4. RGB LED (For Demonstration in Place of Water pump)
5. Male to Female Jumper wires
6. Breadboard
7. Relay

# **Software apps and online services**

1. Python Programming
2. Bolt Cloud APIs
3. Msg91 API
4. Nexmo API
5. Dark sky API
6. Streamlit Framework
7. WebScraping
8. AWS EC2
9. AWS Lambda

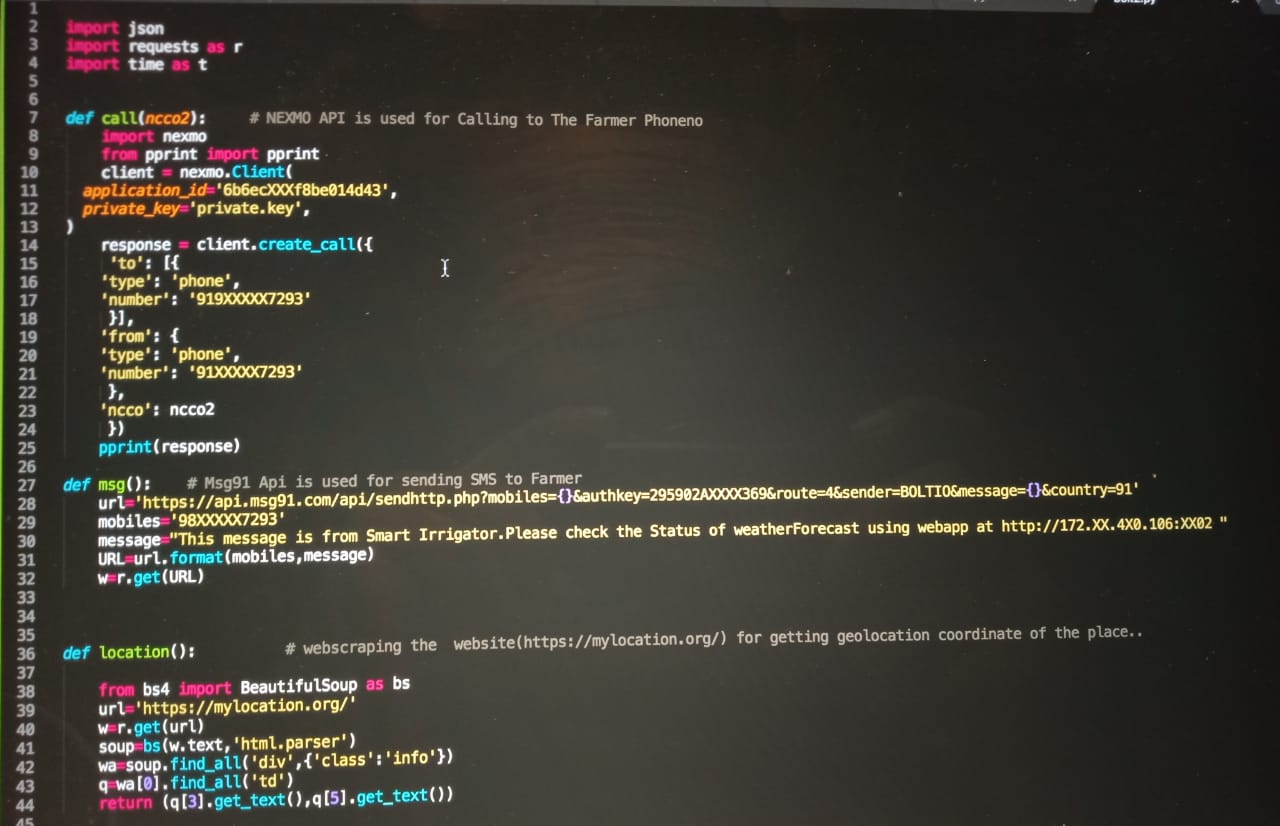
 

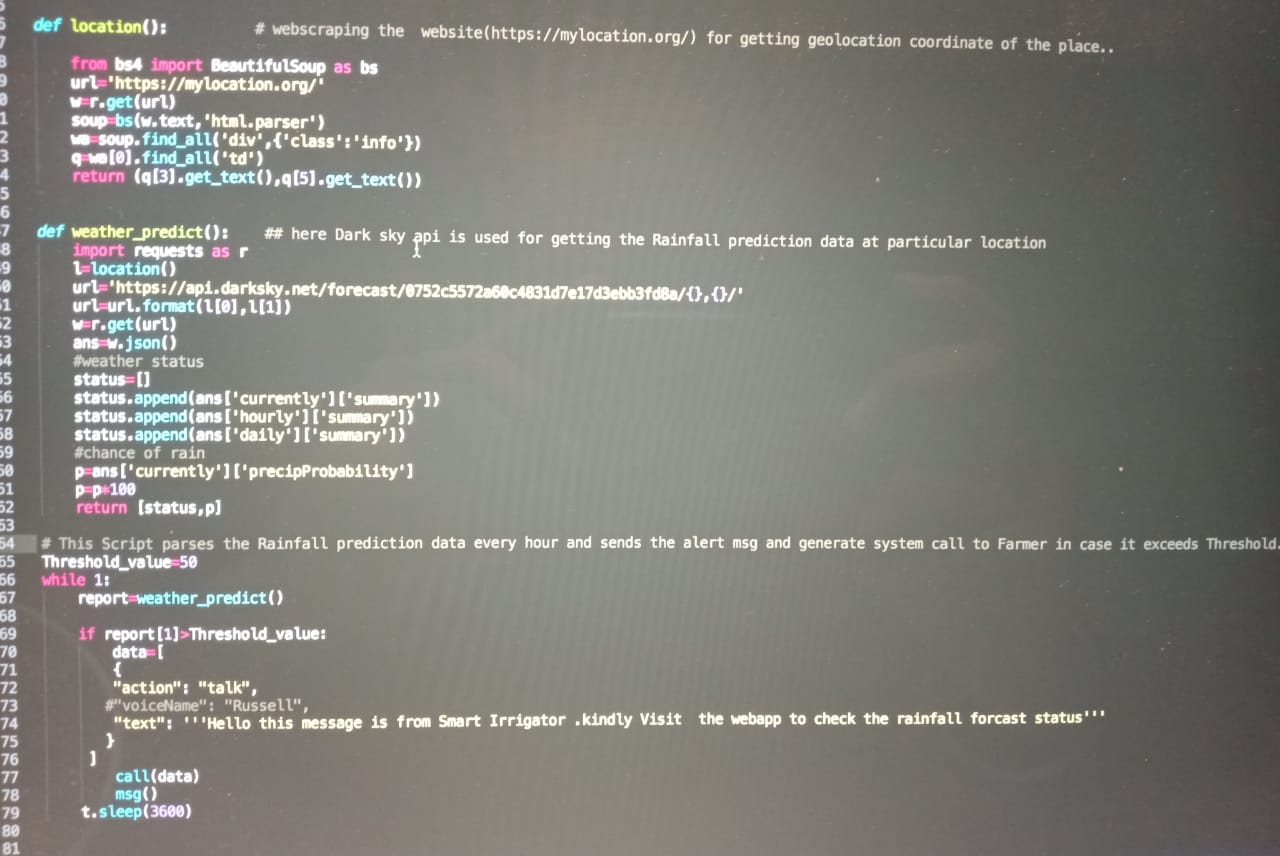




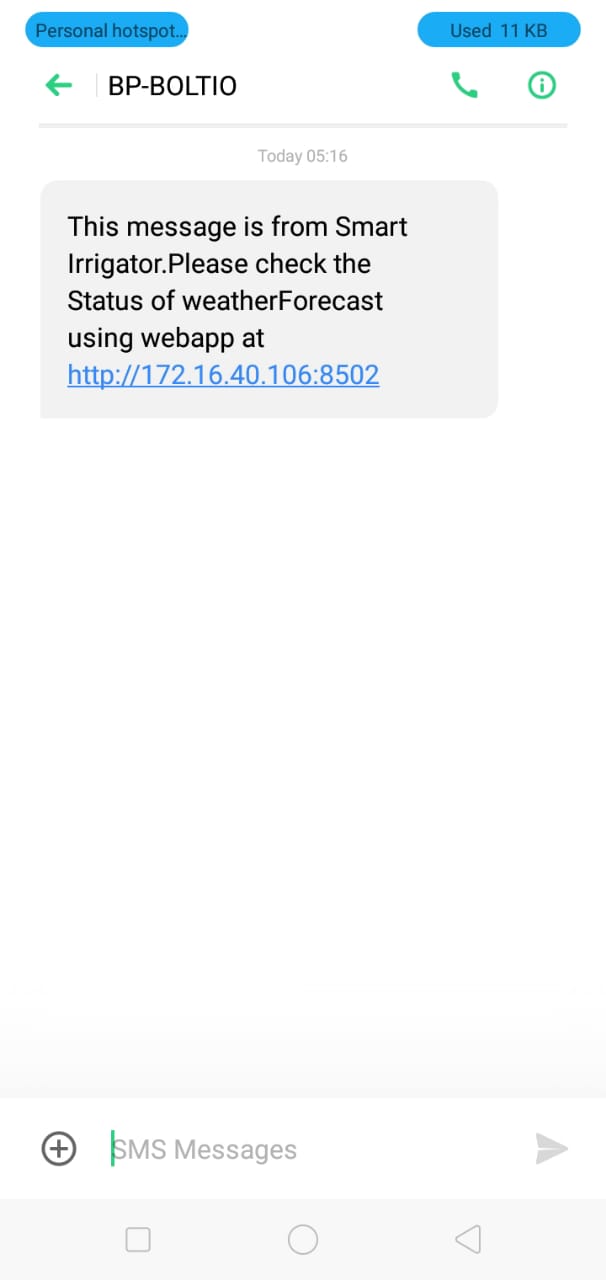
**LM35 (Temperature Sensor)**

***CODE FOR SENDING SMS AND CALLING***

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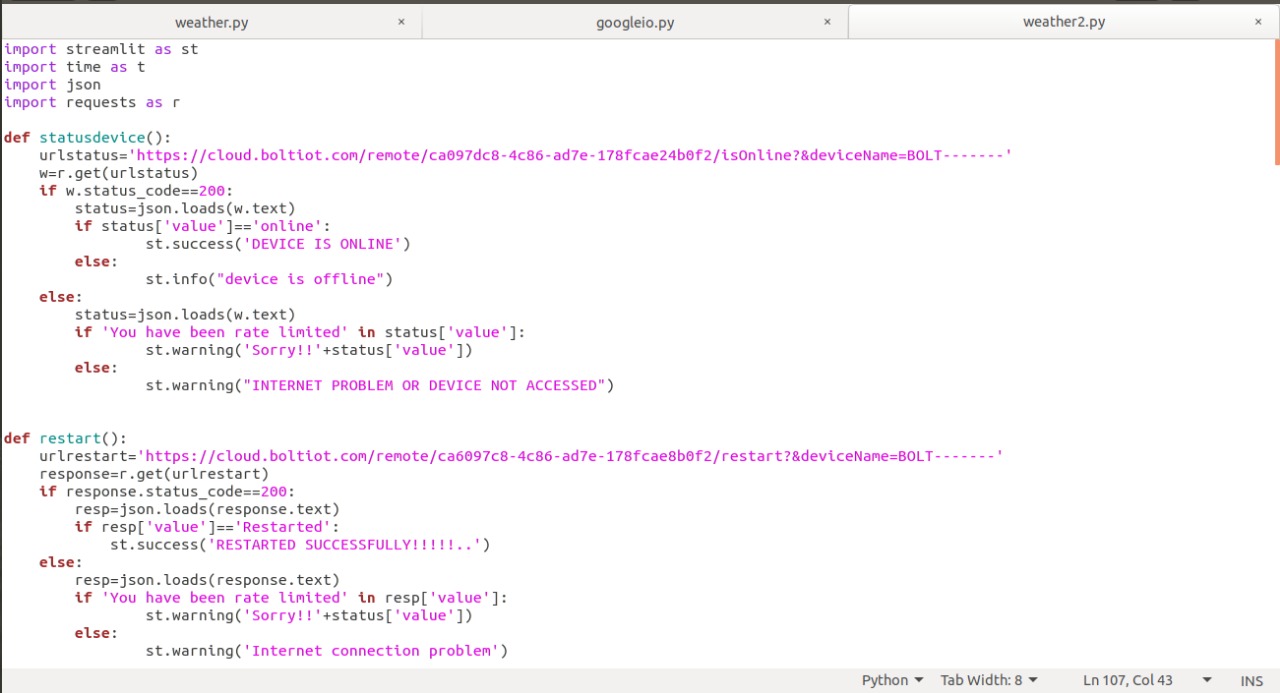
*SMS TRIGGER TO FARMER*

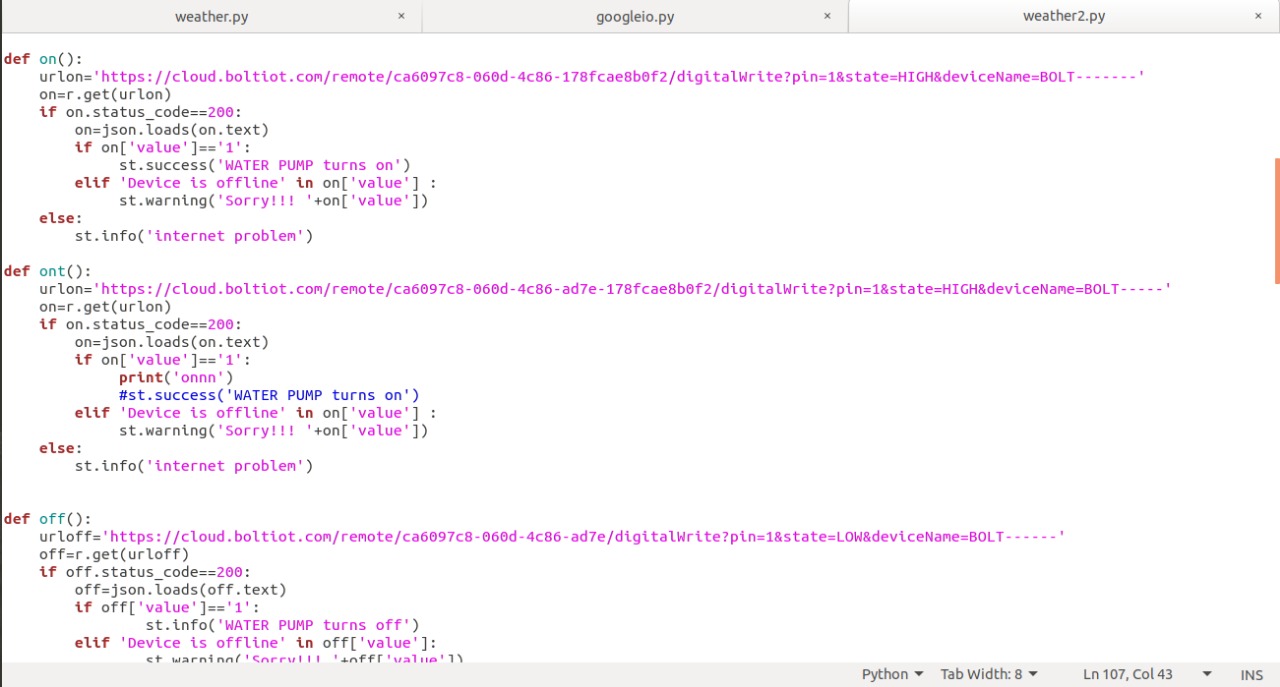
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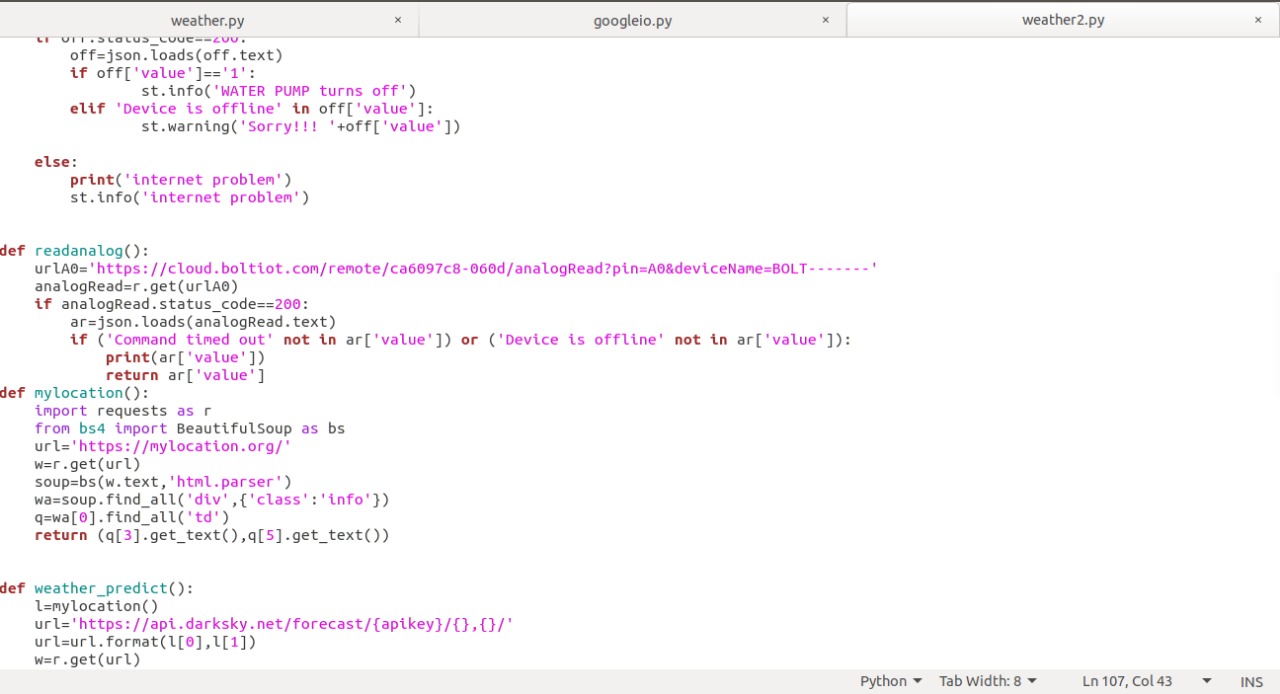
*SYSTEM GENERATED CALL ON FARMER MOBILE*

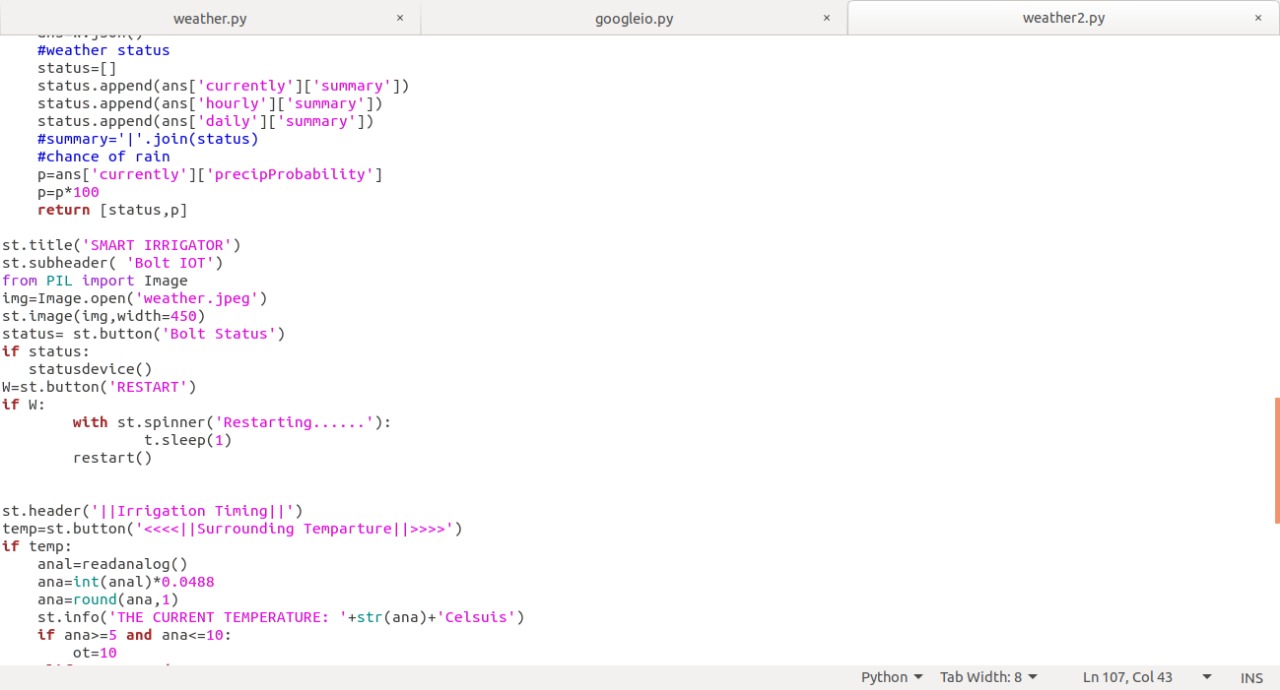
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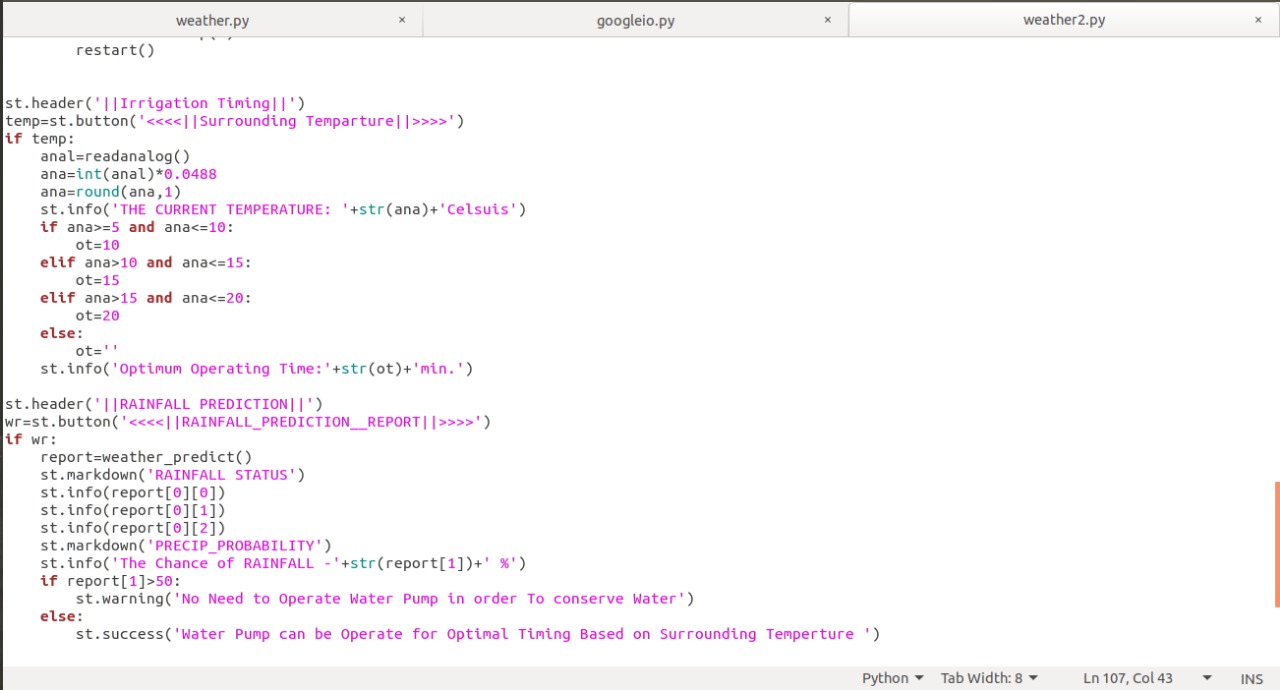
**CODE FOR WEBAPP FOR FARMER**

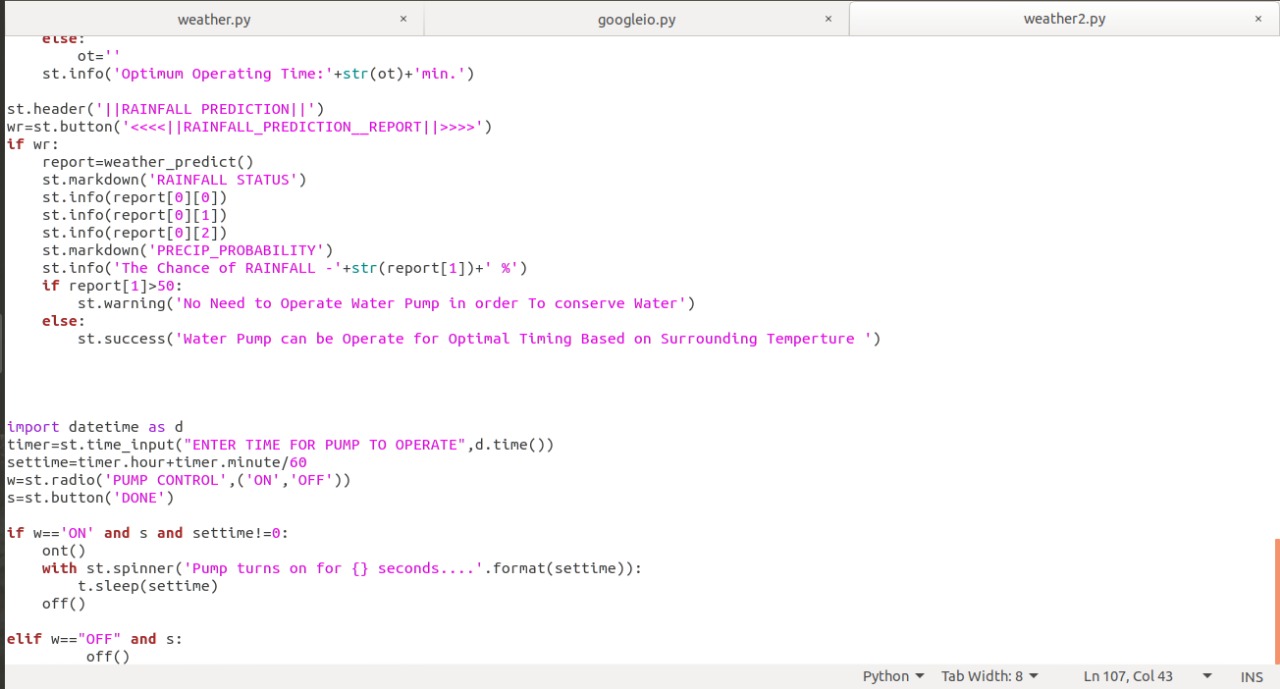




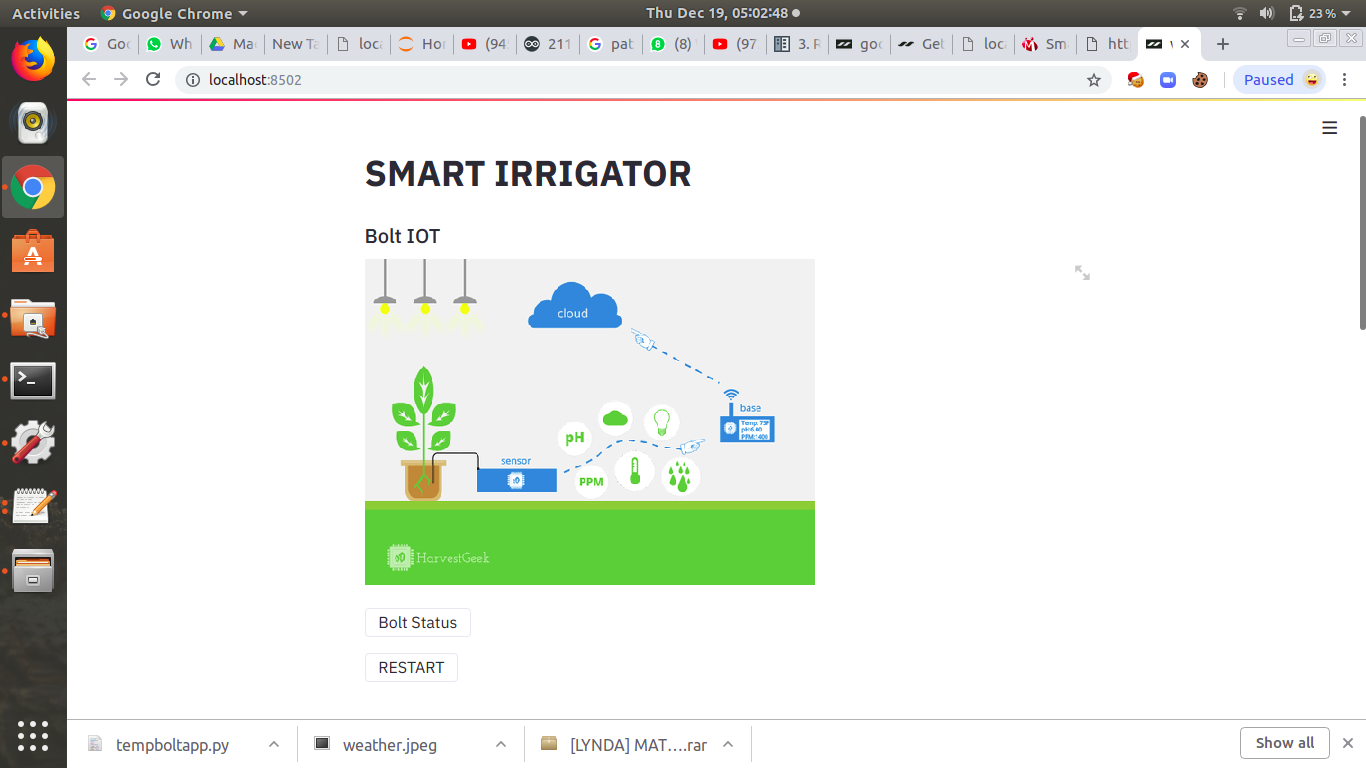


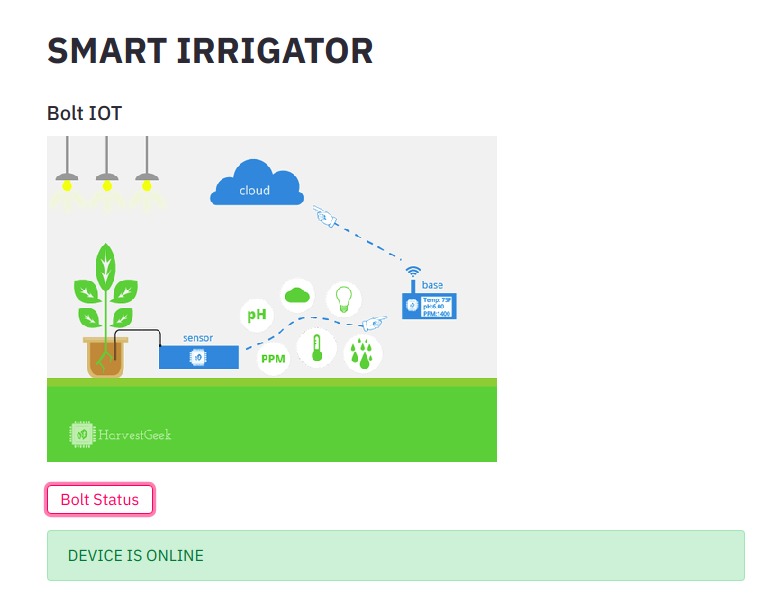




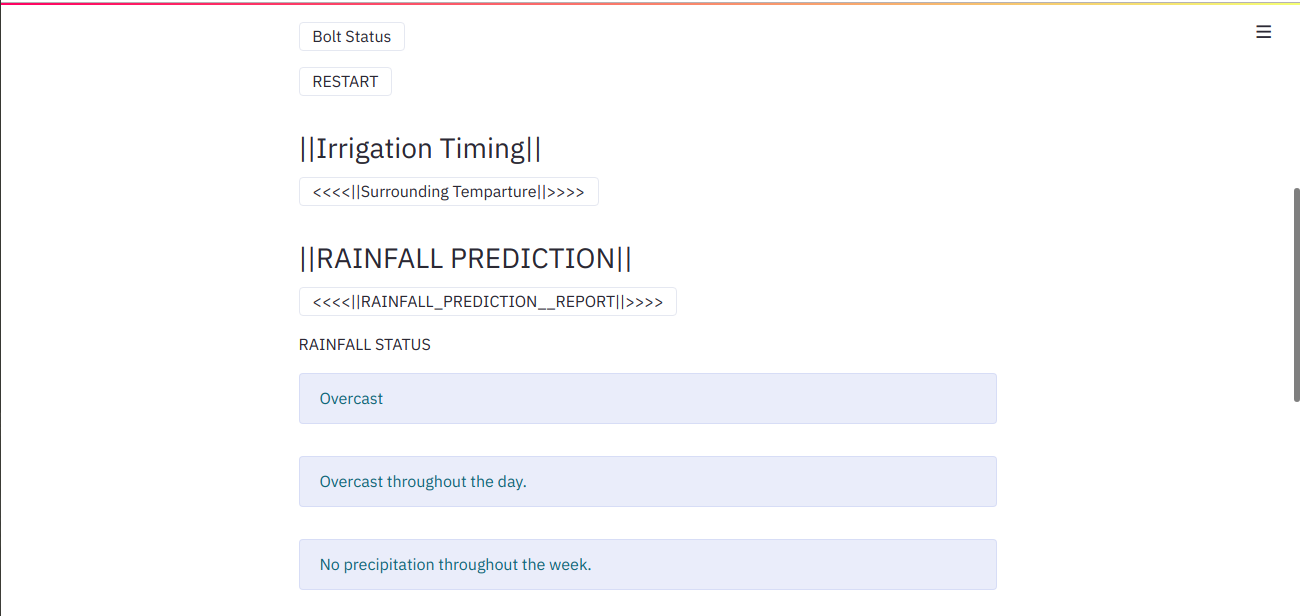


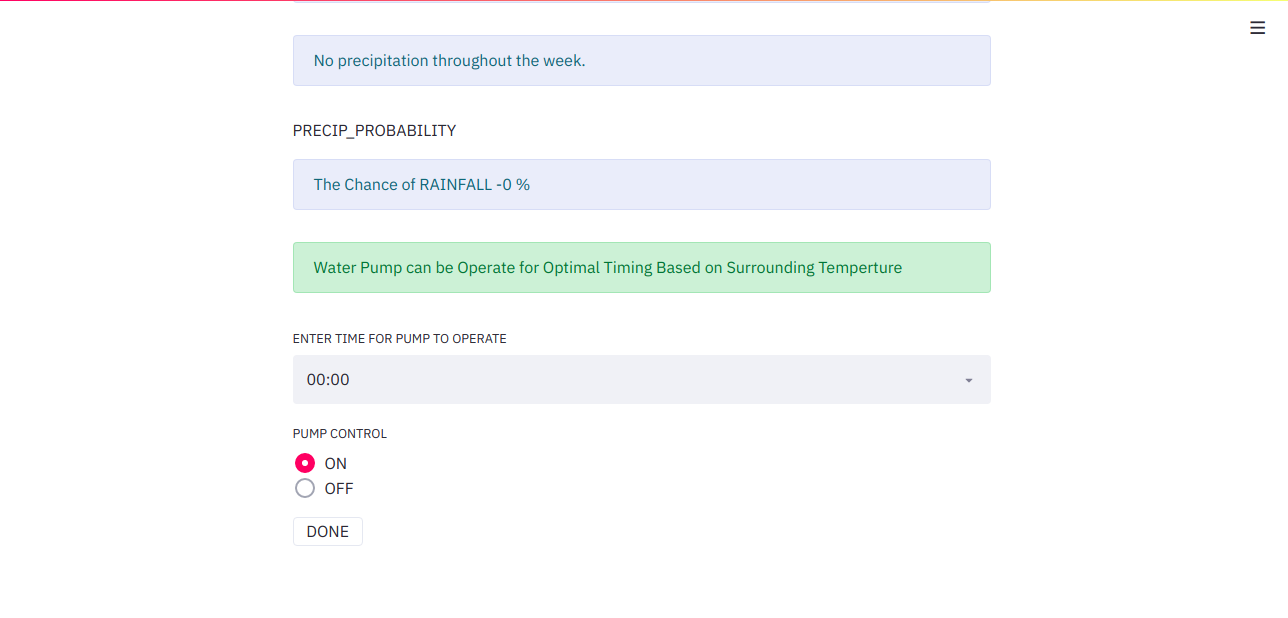
WEBAPP FOR FARMERS:-

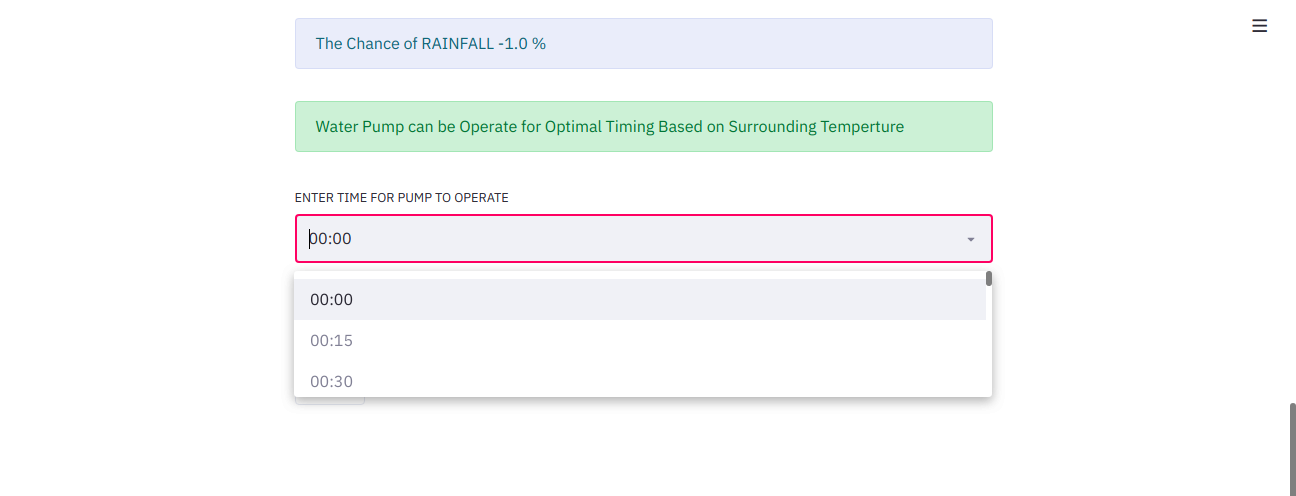


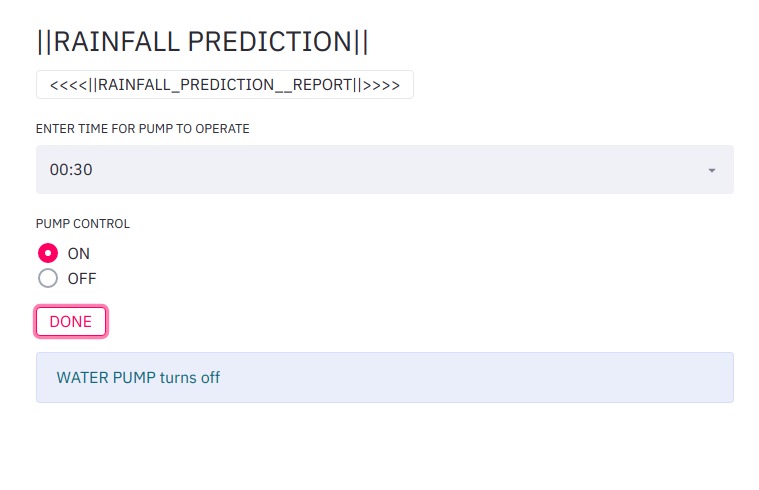












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