

Python for Website using flask

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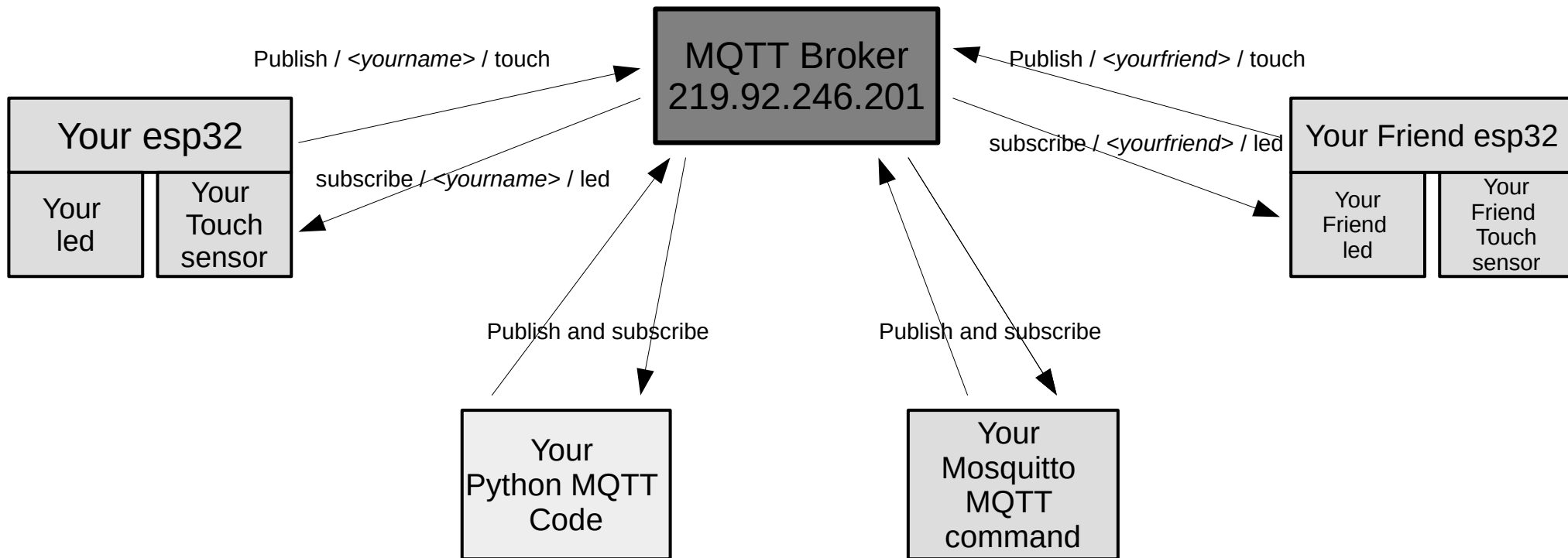
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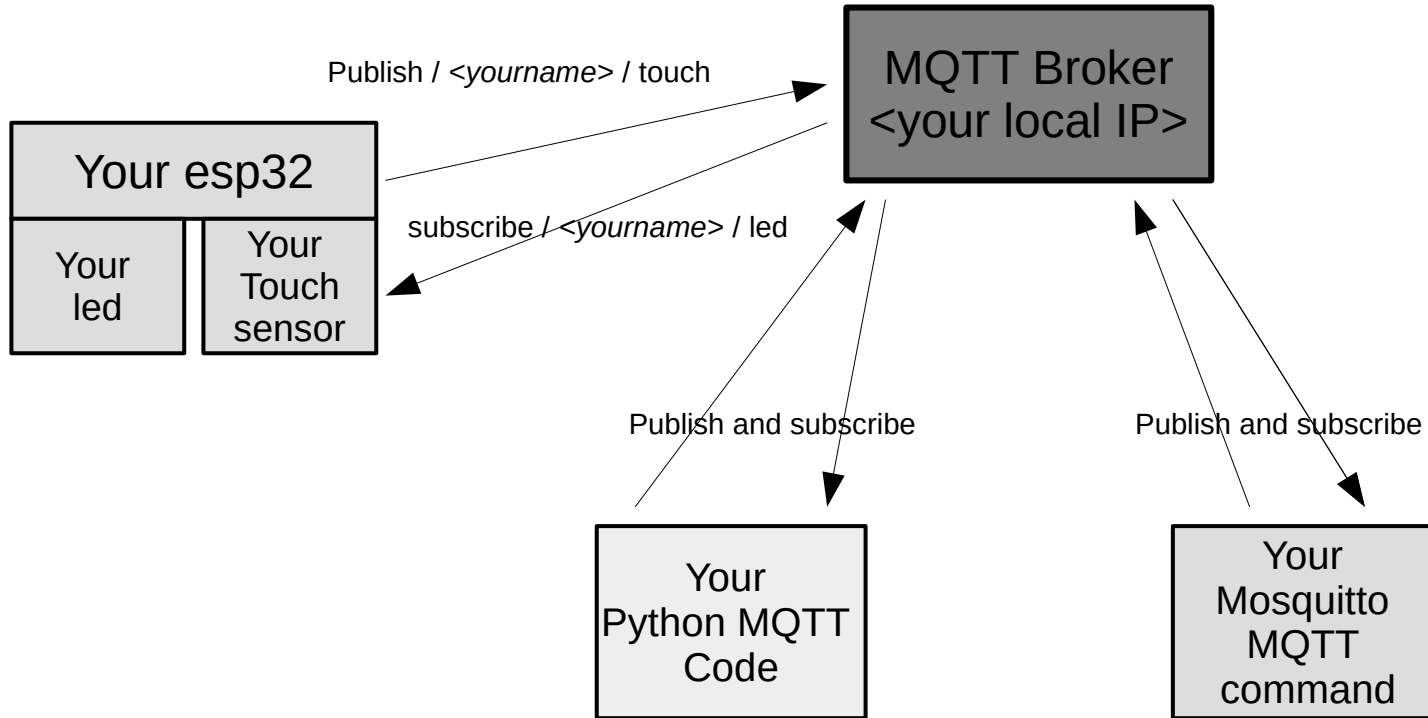
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Our IoT Layout



Your IoT Layout



What is Flask

- Flask is web framework, its python module that's lets you develop web applications easily.
- It has a small easy to extend core.

Installing flask on Windows

- <https://phoenixnap.com/kb/install-flask>
- Install flask on your laptop until you successfully run hello world

How We Go So Far

- ESP32
- MQTT
- MySQL
- Web & Dashboard?

Example

- Reading MySQL
- Tabulate data to graph
- Display data in index.html template
- Display graph in website
- Minimal Dashboard

Conclusion

- This exercise present simple dashboard that read MySQL database and present in the graph in the website.
- The web can be enhance to read data from user and control ESP32 LED