# **Real Time Web Analytics Tool**

# 

# In this Project , I have built a simple **website** and **Analytics Tool**, the Analytics Tool will display details about visitors on the website. For every visitor, there will be multiple columns such as time of visit, continent, country, city, operating system, browser, and the pages visited.

## **Prerequisites**

## [Python (>= v3.x)](https://www.python.org/)

## [virtualenv](https://virtualenv.pypa.io/en/stable/)

## [Flask](http://flask.pocoo.org/)

4. Pusher

## **Procedure**

1. Let’s create the project folder, and activate a virtual environment in it.
2. Mainly we are using two python files.
   1. App.py - This is the main entry point and will contain our server-side code.
   2. Dbsetup.py - To keep things modular, we will write all the code that we need to interact with the database
3. Next, run the Dbsetup.py file so that it creates a new SQLite database for us. We can run it with this command: $ Python dbsetup.py
4. After that you can find pythonsqlite.db file in your folder.
5. Now we have to set up our app view by using HTML, CSS and Json files.
6. For getting real time updates we are linking these webpages with Backend analysis tool by using [Flask](http://flask.pocoo.org/).
7. Then we have to run the main application program by using this command: $ flask run.
8. Now everything is ready to collect client data and it will analysis in bangroung.
9. Now we can visit [127.0.0.1:5000](http://127.0.0.1:5000/) to see the website and [127.0.0.1:5000/dashboard](http://127.0.0.1:5000/dashboard) to see the **Analytics Tool** dashboard.
10. Here we will get all users info and their activities in session.
11. After completion of backend analysis data.txt file will create with all the info.

**Conclusion**

In this Project, we have developed the **Real time Web Analytics Tool** with local website and **interface for the data structure**. using Python’s Flask, Pusher and JavaScript.

# 