

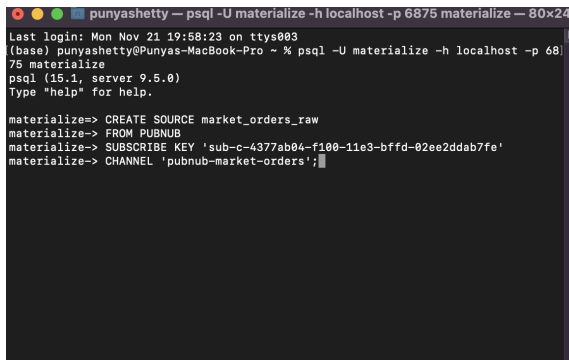
## MATERIALIZE DEMO

### Prerequisites:

- Mac OS(Homebrew)/ Docker/ Linux
- PostgreSQL- <https://www.postgresql.org/>
- Any IDE- Visual Studio Code
- NodeJS- <https://nodejs.org/en/download/>
- Python3 - <https://www.python.org/downloads/>

### STEPS:

1. Install, Run and Connect to materialize: <https://materialize.com/docs/its/get-started/>
2. Explore a streaming source- Run the rest of the steps on the terminal.

A terminal window showing the Materialize SQL interface. The prompt is 'materialize->'. The user has entered the following commands: 'CREATE SOURCE market\_orders\_raw FROM PUBNUB', 'SUBSCRIBE KEY 'sub-c-4377ab04-f100-11e3-bffd-02ee2ddab7fe'', and 'CHANNEL 'pubnub-market-orders';'. The terminal also shows the version 'psql (15.1, server 9.5.0)' and a prompt to type 'help' for help.

```
punyashetty ~ % psql -U materialize -h localhost -p 6875 materialize -- 80x24
Last login: Mon Nov 21 19:58:23 on ttys003
(base) punyashetty@Punyas-MacBook-Pro ~ % psql -U materialize -h localhost -p 6875 materialize
psql (15.1, server 9.5.0)
Type "help" for help.

materialize-> CREATE SOURCE market_orders_raw
materialize-> FROM PUBNUB
materialize-> SUBSCRIBE KEY 'sub-c-4377ab04-f100-11e3-bffd-02ee2ddab7fe'
materialize-> CHANNEL 'pubnub-market-orders';
```

3. Connect to Wikipedia articles to get recent changes using PubNub: <https://www.pubnub.com/demos/real-time-data-streaming/?show=demo>
4. Follow steps 1-4 of the tutorial: <https://www.pubnub.com/tutorials/real-time-data-streaming-nodejs-python/?step=set-up-environment>