Novel Architectures for Big Data Analytics Lab 1: Redis Application

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Prerequisites:
- Python 2.7
- Redis
- Redis-py package (https://redis-py.readthedocs.io/en/latest/)

Usage:
1. Create one redis-server and one redis-cli.
2. Subscribe to channels from redis-cli.
3. Run client.py file.
4. Enter book information when it is asked. (isbn, author, edition and title)
5. Look to redis-cli instance to see relevant messages.
6. (optional) To check if book exist, open another redis-cli, get your book by isbn, wait some seconds and then recheck the book. Take in mind that books expire in 115 seconds.

Be careful

Program is not case sensitive. (it is easy to lower it and solve the problem but I believe some abbreviations might be missed.)

Outputs
- Png files are in the attachment if you want to look closely.
- One Client listening channel **"harry potter"**
- One Client listening channel **"George"**

1) Screenshot after entering these inputs.

Please enter ISBN of the book **123456789**
Please enter edition number of the book **2**
Please enter author of the book **Mert Ozer**
Please enter title of the book **harry potter**
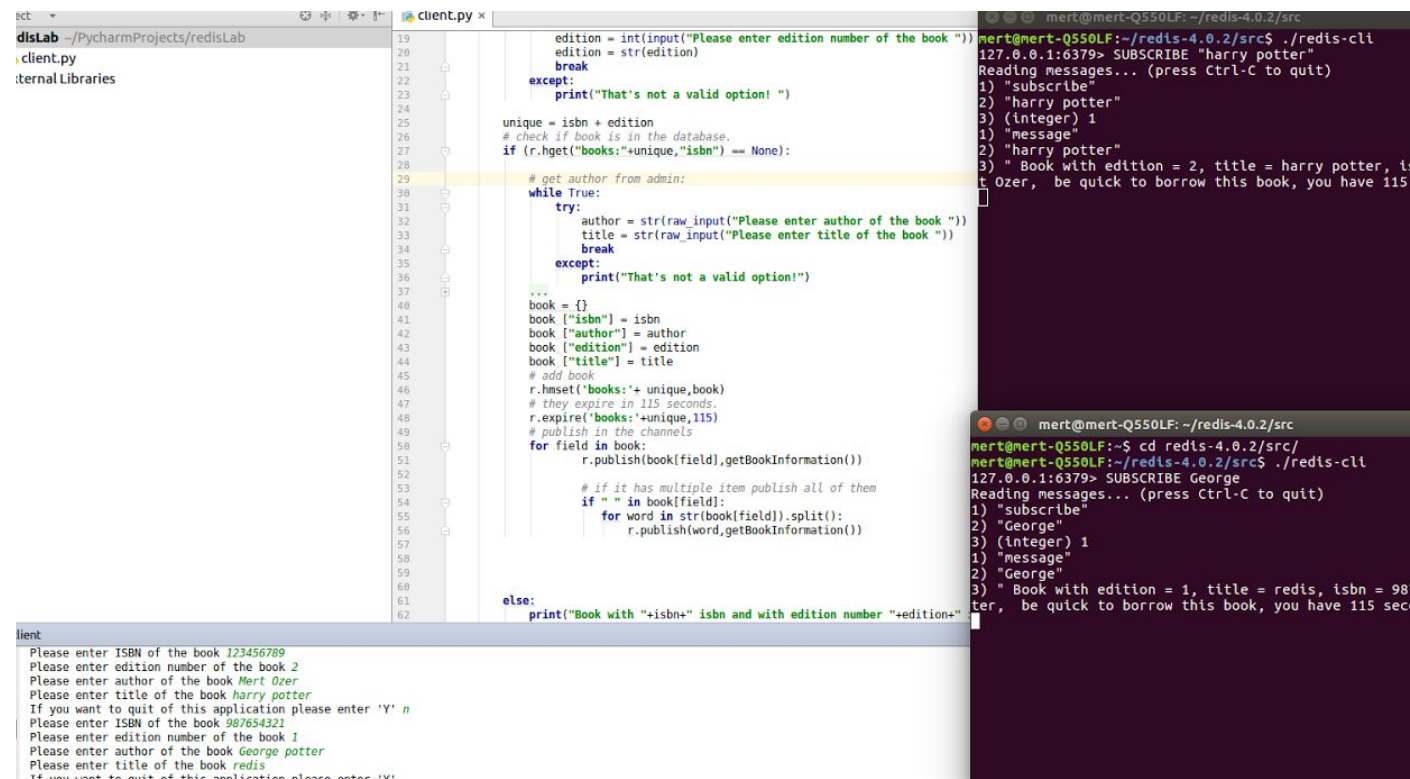
(sc1.png)

2) After entering these inputs
Please enter ISBN of the book **987654321**
Please enter edition number of the book **1**
Please enter author of the book **George potter**
Please enter title of the book **redis**

(sc2.png)

So we can see that even the fields are parsed and published to their channels.

Created channels from example 2:
987654321
1
George potter
George
potter
redis