

# CityCount ReadMe

**Introduction:** This part counts the number of businesses in different cities in yelp businesses dataset.

**Input:** yelp\_academic\_dataset\_business.json

**Mapper:** Since the input data is in JSON format. I used JsonParsing.java which uses gson-2.8.0.jar to parse the JSON input to hash map.

Then I can use the key of hash map to get the city and state, the output of Mapper class is <key: state name, city name, value: 1>

**Reducer:** The reducer class simply takes the output of Mapper class and sum up the value for the same key(city).

**Output:** CityCountResult

**Screenshot:** CityCount\_ScreenShot