Build a program to analyze app usage data for a hypothetical menu planning calendar app. On any day, a user can plan multiple meals, and each meal may have multiple dishes. The program you build will analyze how engaged users are with the app.

In the ./data folder, you will find a bunch of files in the form userId.json. They contain app data for a bunch of users. The structure should be fairly obvious upon examination.

Within a specific date range, users can be filtered into three types

* Active: users who had at least 5 meals in the specified period
* Superactive: users who had more than 10 meals in the specified period
* Bored: Users who were “active” in the preceding period, but not “active” in the specified period.

### **Example Input & Output**

./dist/run active 2016-09-01 2016-09-08

should list “active” users during the specified period as a list of comma-separated user ids.

./dist/run superactive 2016-09-01 2016-09-08

should list the “super-active” users during the specified period as a list of comma-separated user ids.

./dist/run bored 2016-09-01 2016-09-08

should list the “bored” users during the specified period as a list of comma-separated user ids

\*\*You have to use multiple functions and classes in such a way that If I want to add more features in this program in the near future I can do . You can use python or java to solve this problem

Thank you