

FindIntersectionApp - How to run the project

This project has two parts. One is the backend of the project that is created with Spring Boot and the fronted part is created with AngularJs. **You must need basic prerequisite software installs to run Java and Angular applications.** As I hope you have done the necessary setup to run Java and Angular js applications, I will go further on how you can run the application.

Frontend applications can be found by [FindIntersection Frontend](#).

Backend applications can be found by [FindIntersection Backend](#).

- First starts with backend part
- The Spring Boot project by defaults run on 8080 port
- You can use `mvn clean install` to build the project before you run
- You can run the project by clicking run icon or run on debug mode or using the cmd `mvn spring-boot:run` in the terminal
- The project should start running in 8080 port
- In case the 8080 port is blocked, you can change the port number under resource `application.properties` file `server.port:yourPortNumber`
- Once the backend is running
- Go to the Frontend of the project
- You can use `npm install` or `ng build` before you run the project
- Run `ng serve` for a dev server. Navigate to `http://localhost:4200/`.
- Insert two list values in comma separated way example list one `1,2,3,4,5` list two `3,4,5,6,7,8,9`
- The radio button is to decide which list you want to make Hashset or which one to be the iterator
- You the leave the decision on program `Set large list to Hashset` that will take the large set as Hashset
- In case both set is equal in above option, it will take list one as hashset
- Click on the submit button and the result should appear below
- You can use the reset button to reset all the parameters

FindIntersectionApp

localhost:4200

Find Intersect of Two List

List One

Comma separated numbers list like 1,2,3,4

List Two

Comma separated numbers list like 1,2,3,4

Select list for the Hashset

☒ List One

☐ List Two

☐ Set large list to Hashset

Reset

Submit

FindIntersectionApp

localhost:4200

Find Intersect of Two List

List One

1,2,3,4,5,6,7,8,9

List Two

7,8,9,10,11,12,3,15,16,18

Select list for the Hashset

☒ List One

☐ List Two

☐ Set large list to Hashset

Reset

Submit

FindIntersectionApp

localhost:4200

Find Intersect of Two List

List One

1,2,3,4,5,6,7,8,9

List Two

7,8,9,10,11,12,3,15,16,18

Select list for the Hashset

☒ List One

☐ List Two

☐ Set large list to Hashset

Reset

Submit

FindIntersectionApp

localhost:4200

Find Intersect of Two List

List One

1,2,3,4,5,6,7,8,9

List Two

7,8,9,10,11,12,3,15,16,18,13,20

Select list for the Hashset

☐ List One

☐ List Two

☒ Set large list to Hashset

Reset

Submit

Result

List after Intersection

[
3,
7,
8,
9
]

Time In Millisec

0