Structure

- MessengerService:
  Interface defining shared behaviors between Server and Client
- MessengerServiceImpl:
  Implement key-value storage with HashMap
- Client:
  Get remote object MessengerService from Registry
- Server:
  Creat Registry and bind remote object to Registry

Compile

➢ javac *.java

run

on Terminal 1:
➢ java Server <port>
on Terminal 2:
➢ java Client <port>

Examples

Client 1:

```
→  Project_2 git:(master) java Client 8080
Feb 13, 2019 5:15:02 PM Client <init>
INFO: Connected to port 8080
Enter operation
PUT
Enter key
aaa
Enter value
111
Feb 13, 2019 5:15:51 PM Client execute
INFO: PUT (aaa, 111)
Enter operation
DEL
Enter key
bbb
Feb 13, 2019 5:16:21 PM Client execute
INFO: bbb deleted successfully
Enter operation
```

Client 2:

```
→  Project_2 git:(master) java Client 8080
Feb 13, 2019 5:15:57 PM Client <init>
INFO: Connected to port 8080
Enter operation
PUT
Enter key
bbb
Enter value
222
Feb 13, 2019 5:16:04 PM Client execute
INFO: PUT (bbb, 222)
Enter operation
GET
Enter key
aaa
Feb 13, 2019 5:16:15 PM Client execute
INFO: GET aaa, value is 111
Enter operation
GET
Enter key
bbb
Feb 13, 2019 5:16:25 PM Client execute
INFO: bbb does not exist
Enter operation
```

Server:

```
→  Project_2 git:(master) java Server 8080
Feb 13, 2019 5:14:57 PM MessengerServiceImpl <init>
INFO: Current thread: main
Feb 13, 2019 5:15:51 PM MessengerServiceImpl put
INFO: Current thread: RMI TCP Connection(3)-192.168.0.18
Feb 13, 2019 5:15:51 PM MessengerServiceImpl put
INFO: PUT (aaa, 111)
Feb 13, 2019 5:16:04 PM MessengerServiceImpl put
INFO: Current thread: RMI TCP Connection(5)-192.168.0.18
Feb 13, 2019 5:16:04 PM MessengerServiceImpl put
INFO: PUT (bbb, 222)
Feb 13, 2019 5:16:15 PM MessengerServiceImpl get
INFO: Current thread: RMI TCP Connection(5)-192.168.0.18
Feb 13, 2019 5:16:15 PM MessengerServiceImpl get
INFO: GET aaa, value is 111
Feb 13, 2019 5:16:21 PM MessengerServiceImpl del
INFO: Current thread: RMI TCP Connection(6)-192.168.0.18
Feb 13, 2019 5:16:21 PM MessengerServiceImpl del
INFO: DELETE bbb
Feb 13, 2019 5:16:25 PM MessengerServiceImpl get
INFO: Current thread: RMI TCP Connection(5)-192.168.0.18
Feb 13, 2019 5:16:25 PM MessengerServiceImpl get
INFO: bbb does not exist
```