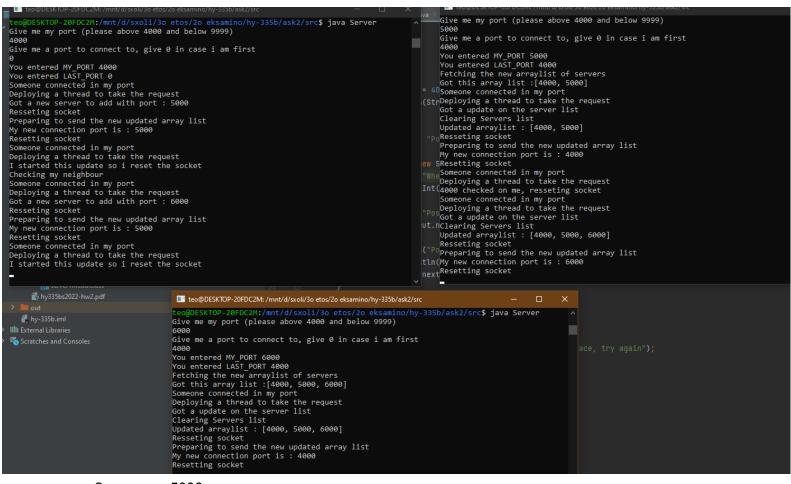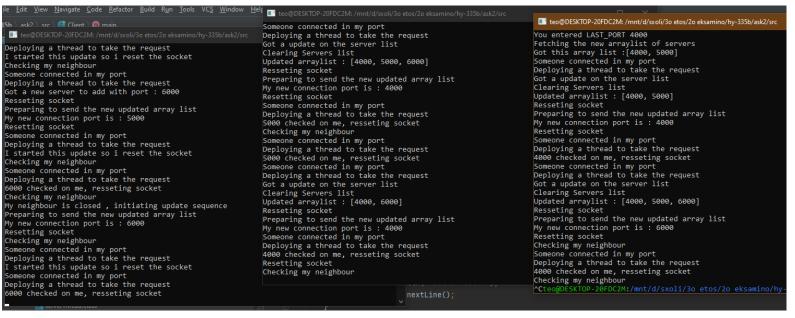Αναφορά άσκηση 2 hy-335b ~ Θεόδωρος Χαλκίδης csd4198

ΠΡΟΣΟΧΗ!!!! η ασκηση πρεπει να τεσταριστει μονο στα μηχανηματα

thanatos -> SERVER / CLIENT (το μονο μηχανημα που δουλευε σωστα(πχ το αβοκαντο κρασαρε μονο του))
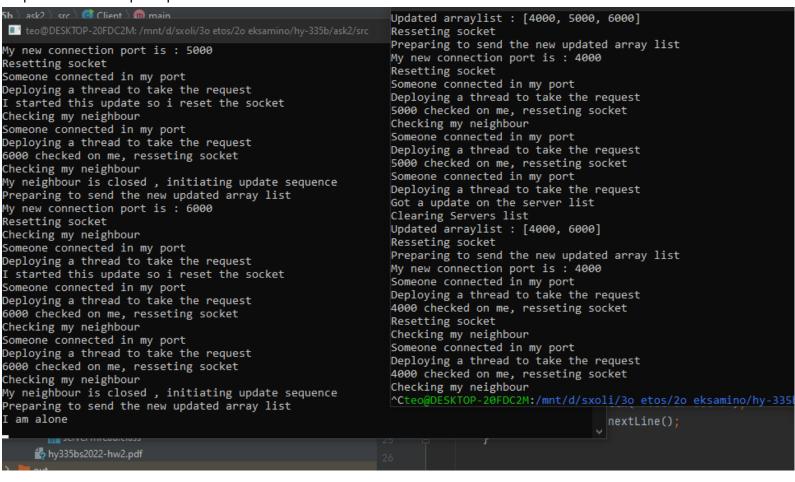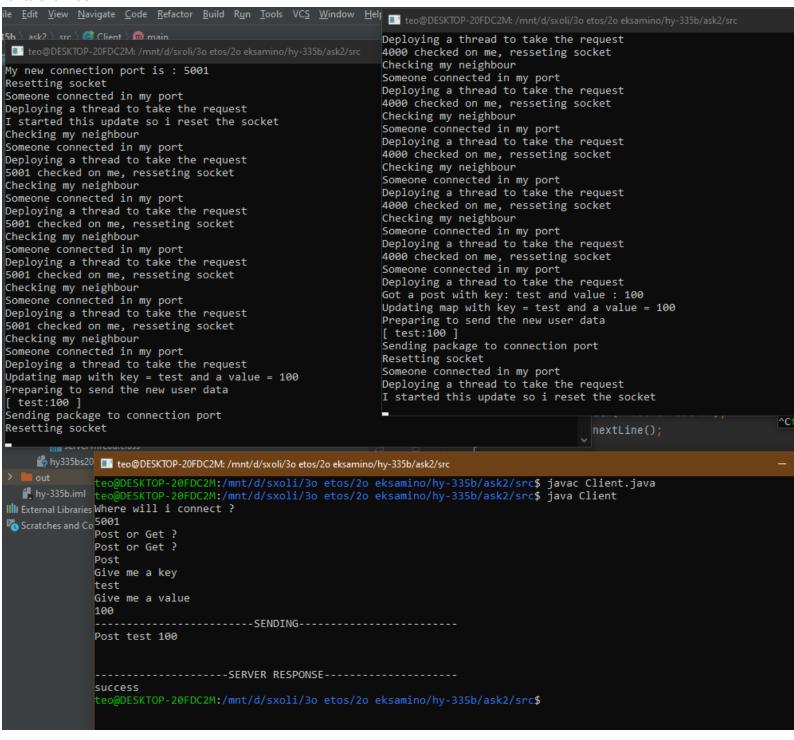
τρέξιμο σερβερ :

σταματαω τον 2ο με πορτ 5000:

σταματω και τον 3ο με πορτ 6000:


```
My new connection port is : 5000
Resetting socket
Someone connected in my port
Deploying a thread to take the request
I started this update so i reset the socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
6000 checked on me, resseting socket
Checking my neighbour
My neighbour is closed , initiating update sequence
Preparing to send the new updated array list
My new connection port is : 6000
Resetting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
I started this update so i reset the socket
Someone connected in my port
Deploying a thread to take the request
6000 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
6000 checked on me, resseting socket
Checking my neighbour
My neighbour is closed , initiating update sequence
Preparing to send the new updated array list
I am alone
```

```
Updated arraylist : [4000, 5000, 6000]
Resseting socket
Preparing to send the new updated array list
My new connection port is : 4000
Resetting socket
Someone connected in my port
Deploying a thread to take the request
5000 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
5000 checked on me, resseting socket
Someone connected in my port
Deploying a thread to take the request
Got a update on the server list
Clearing Servers list
Updated arraylist : [4000, 6000]
Resseting socket
Preparing to send the new updated array list
My new connection port is : 4000
Someone connected in my port
Deploying a thread to take the request
4000 checked on me, resseting socket
Resetting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
4000 checked on me, resseting socket
Checking my neighbour
^Cteo@DESKTOP-20FDC2M:/mnt/d/sxoli/3o etos/2o eksamino/hy-335
```

ξεκιναω εναν αλλο με πορτ 5001:


```
My neighbour is closed , initiating update sequence
Preparing to send the new updated array list
My new connection port is : 6000
Resetting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
I started this update so i reset the socket
Someone connected in my port
Deploying a thread to take the request
6000 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
6000 checked on me, resseting socket
Checking my neighbour
My neighbour is closed , initiating update sequence
Preparing to send the new updated array list
I am alone
Someone connected in my port
Deploying a thread to take the request
Got a new server to add with port : 5001
Resseting socket
Preparing to send the new updated array list
My new connection port is : 5001
Resetting socket
Someone connected in my port
Deploying a thread to take the request
I started this update so i reset the socket
```

```
teo@DESKTOP-20FDC2M:/mnt/d/sxoli/3o etos/2o eksamino/hy-335b/ask2/src$ j
Give me my port (please above 4000 and below 9999)
5001
Give me a port to connect to, give 0 in case i am first
4000
You entered MY_PORT 5001
You entered LAST_PORT 4000
Fetching the new arraylist of servers
Got this array list :[4000, 5001]
Someone connected in my port
Deploying a thread to take the request
Got a update on the server list
Clearing Servers list
Updated arraylist : [4000, 5001]
Resseting socket
Preparing to send the new updated array list
My new connection port is : 4000
Resetting socket
```

κανω ενα ποστ

teo@DESKTOP-20FDC2M: /mnt/d/sxoli/3o etos/2o eksamino/hy-335b/ask2/src

My new connection port is : 5001
Resetting socket
Someone connected in my port
Deploying a thread to take the request
I started this update so i reset the socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
5001 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
5001 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
5001 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
5001 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
Updating map with key = test and a value = 100
Preparing to send the new user data
[test:100]
Sending package to connection port
Resetting socket

teo@DESKTOP-20FDC2M: /mnt/d/sxoli/3o etos/2o eksamino/hy-335b/ask2/src

Deploying a thread to take the request
4000 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
4000 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
4000 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
4000 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
4000 checked on me, resseting socket
Someone connected in my port
Deploying a thread to take the request
Got a post with key: test and value : 100
Updating map with key = test and a value = 100
Preparing to send the new user data
[test:100]
Sending package to connection port
Resetting socket
Someone connected in my port
Deploying a thread to take the request
I started this update so i reset the socket

nextLine();
^Ct

hy335bs20
> out
hy-335b.iml
External Libraries
Scratches and Co

teo@DESKTOP-20FDC2M: /mnt/d/sxoli/3o etos/2o eksamino/hy-335b/ask2/src

teo@DESKTOP-20FDC2M:/mnt/d/sxoli/3o etos/2o eksamino/hy-335b/ask2/src$ javac Client.java
teo@DESKTOP-20FDC2M:/mnt/d/sxoli/3o etos/2o eksamino/hy-335b/ask2/src$ java Client
Where will i connect ?
5001
Post or Get ?
Post or Get ?
Post
Give me a key
test
Give me a value
100
-----------------------SENDING-----------------------
Post test 100

--------------------SERVER RESPONSE--------------------
success
teo@DESKTOP-20FDC2M:/mnt/d/sxoli/3o etos/2o eksamino/hy-335b/ask2/src$

ξεκιναω και εναν τριτο σερβερ με πορτ 4001 και κανω ενα ποστ ετσι ωστε να δειξω οτι θα εχει το 2ο και οχι το 1ο ποστ

Terminal 1 (left):
```
Someone connected in my port
Deploying a thread to take the request
5001 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
5001 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
Got a update on the server list
Clearing Servers list
Updated arraylist : [4000, 5001, 4001]
Resseting socket
Preparing to send the new updated array list
My new connection port is : 5001
Resetting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
4001 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
Updating map with key = test2 and a value = 50
Preparing to send the new user data
[ test2:50 test:100 ]
Sending package to connection port
Resetting socket
```

Terminal 2 (middle):
```
Someone connected in my port
Deploying a thread to take the request
Got a new server to add with port : 4001
Resseting socket
Preparing to send the new updated array list
My new connection port is : 4001
Resetting socket
Someone connected in my port
Deploying a thread to take the request
I started this update so i reset the socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
4000 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
4000 checked on me, resseting socket
Someone connected in my port
Deploying a thread to take the request
Got a post with key: test2 and value : 50
Updating map with key = test2 and a value = 50
Preparing to send the new user data
[ test2:50 test:100 ]
Sending package to connection port
Resetting socket
Someone connected in my port
Deploying a thread to take the request
I started this update so i reset the socket
```

Terminal 3 (right):
```
Give me a port to connect to, give 0 in case i
5001
You entered MY_PORT 4001
You entered LAST_PORT 5001
Fetching the new arraylist of servers
Got this array list :[4000, 5001, 4001]
Someone connected in my port
Deploying a thread to take the request
Got a update on the server list
Clearing Servers list
Updated arraylist : [4000, 5001, 4001]
Resetting socket
Preparing to send the new updated array list
My new connection port is : 4000
Resetting socket
Someone connected in my port
Deploying a thread to take the request
5001 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
5001 checked on me, resseting socket
Someone connected in my port
Deploying a thread to take the request
Updating map with key = test2 and a value = 50
Preparing to send the new user data
[ test2:50 ]
Sending package to connection port
Resetting socket
```

Client terminal:
```
teo@DESKTOP-20FDC2M:/mnt/d/sxoli/3o etos/2o eksamino/hy-335b/ask2/src$ java Client
Where will i connect ?
5001
Post or Get ?
Post or Get ?
Post
Give me a key
test2
Give me a value
50
-------------------SENDING-----------------------
Post test2 50


-------------------SERVER RESPONSE-------------------
success
teo@DESKTOP-20FDC2M:/mnt/d/sxoli/3o etos/2o eksamino/hy-335b/ask2/src$
```

ενα γκετ που το εχουν ολοι

Terminal 1 (left):
```
Sending package to connection port
Resetting socket
Someone connected in my port
Deploying a thread to take the request
4001 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
4001 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
4001 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
4001 checked on me, resseting socket
Someone connected in my port
Deploying a thread to take the request
Got a Get request from a client with a key of test2
I got the value of this key : 50
Someone connected in my port
Deploying a thread to take the request
I started this search
The value was found : 50
Resetting the socket
Resetting socket
I got an answer
Resetting connection
```

Terminal 2 (middle):
```
Deploying a thread to take the request
Got a post with key: test2 and value : 50
Updating map with key = test2 and a value = 50
Preparing to send the new user data
[ test2:50 test:100 ]
Sending package to connection port
Resetting socket
Someone connected in my port
Deploying a thread to take the request
I started this update so i reset the socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
4000 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
4000 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
4000 checked on me, resseting socket
Someone connected in my port
Deploying a thread to take the request
4000 is searching for key test2
I got the value of this key : 50
Sending it to the next in the list
Resetting socket
Resetting the socket
```

Terminal 3 (right):
```
Deploying a thread to take the request
5001 checked on me, resseting socket
Someone connected in my port
Deploying a thread to take the request
Updating map with key = test2 and a value = 50
Preparing to send the new user data
[ test2:50 ]
Sending package to connection port
Resetting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
5001 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
5001 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
5001 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
4000 is searching for key test2
I got the value of this key : 50
Sending it to the next in the list
Resetting socket
Resetting the socket
```

Client terminal:
```
teo@DESKTOP-20FDC2M:/mnt/d/sxoli/3o etos/2o eksamino/hy-335b/ask2/src$ java Client
Where will i connect ?
4000
Post or Get ?
Post or Get ?
Get
Give me a key
test2
-------------------SENDING-----------------------
Get test2


-------------------SERVER RESPONSE-------------------
50
success
teo@DESKTOP-20FDC2M:/mnt/d/sxoli/3o etos/2o eksamino/hy-335b/ask2/src$
```

ενα γκετ που δεν το εχει ενας αλλα το κανω σε αλλον που το εχει

File Edit View Navigate Code Refactor Build Run Tools VCS Window Help

teo@DESKTOP-20FDC2M: /mnt/d/sxoli/3o etos/2o eksamino/hy-335b/ask2/src

```
4001 checked on me, resseting socket
Someone connected in my port
Deploying a thread to take the request
Got a Get request from a client with a key of test2
I got the value of this key : 50
Someone connected in my port
Deploying a thread to take the request
I started this search
The value was found : 50
Resetting the socket
Resetting socket
I got an answer
Resetting connection
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
4001 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
4001 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
5001 is searching for key test
I got the value of this key : 100
Sending it to the next in the list
Resetting socket
Resetting the socket
```

teo@DESKTOP-20FDC2M: /mnt/d/sxoli/3o etos/2o eksamino/hy-335b/ask2/src

```
4000 is searching for key test2
I got the value of this key : 50
Sending it to the next in the list
Resetting socket
Resetting the socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
4000 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
4000 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
4000 checked on me, resseting socket
Someone connected in my port
Deploying a thread to take the request
Got a Get request from a client with a key of test
I got the value of this key : 100
Someone connected in my port
Deploying a thread to take the request
I started this search
The value was found : 100
Resetting the socket
Resetting socket
I got an answer
Resetting connection
```

teo@DESKTOP-20FDC2M: /mnt/d/sxoli/3o etos/2o eksamino/h

```
Someone connected in my port
Deploying a thread to take the request
5001 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
4000 is searching for key test2
I got the value of this key : 50
Sending it to the next in the list
Resetting socket
Resetting the socket
Someone connected in my port
Deploying a thread to take the request
5001 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
5001 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
5001 checked on me, resseting socket
Someone connected in my port
Deploying a thread to take the request
5001 is searching for key test
I dont have the value of this key
Sending it to the next in the list
Resetting socket
Resetting the socket
```

nextLine();

teo@DESKTOP-20FDC2M: /mnt/d/sxoli/3o etos/2o eksamino/hy-335b/ask2/src

```
teo@DESKTOP-20FDC2M:/mnt/d/sxoli/3o etos/2o eksamino/hy-335b/ask2/src$ java Client
Where will i connect ?
5001
Post or Get ?
Post or Get ?
Get
Give me a key
test
-----------------------SENDING-------------------------
Get test

---------------------SERVER RESPONSE--------------------
100
success
teo@DESKTOP-20FDC2M:/mnt/d/sxoli/3o etos/2o eksamino/hy-335b/ask2/src$
```

γκετ σε αυτον που δεν το εχει αλλα το βρισκει απο τους αλλους

teo@DESKTOP-20FDC2M: /mnt/d/sxoli/3o etos/2o eksamino/hy-335b/ask2/src

```
Deploying a thread to take the request
4001 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
4001 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
4001 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
4001 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
4001 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
4001 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
4001 is searching for key test
I got the value of this key : 100
Sending it to the next in the list
Resetting socket
Resetting the socket
Someone connected in my port
Deploying a thread to take the request
4001 checked on me, resseting socket
```

teo@DESKTOP-20FDC2M: /mnt/d/sxoli/3o etos/2o eksamino/hy-335b/ask2/src

```
Deploying a thread to take the request
4000 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
4000 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
4000 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
4000 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
4000 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
4000 checked on me, resseting socket
Someone connected in my port
Deploying a thread to take the request
4001 is searching for key test
I got the value of this key : 100
Sending it to the next in the list
Resetting socket
Resetting the socket
```

nextLine();

teo@DESKTOP-20FDC2M: /mnt/d/sxoli/3o etos/2o eksamino/hy-335b/as

```
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
5001 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
5001 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
5001 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
5001 checked on me, resseting socket
Checking my neighbour
Someone connected in my port
Deploying a thread to take the request
5001 checked on me, resseting socket
Someone connected in my port
Deploying a thread to take the request
Got a Get request from a client with a key of test
I dont have the value of this key
Someone connected in my port
Deploying a thread to take the request
I started this search
The value was found : 100
Resetting the socket
Resetting socket
I got an answer
Resetting connection
Checking my neighbour
```

teo@DESKTOP-20FDC2M: /mnt/d/sxoli/3o etos/2o eksamino/hy-335b/ask2/src

```
100
success
teo@DESKTOP-20FDC2M:/mnt/d/sxoli/3o etos/2o eksamino/hy-335b/ask2/src$ java Client
Where will i connect ?
4001
Post or Get ?
Post or Get ?
Get
Give me a key
test
-----------------------SENDING-------------------------
Get test

---------------------SERVER RESPONSE--------------------
100
success
teo@DESKTOP-20FDC2M:/mnt/d/sxoli/3o etos/2o eksamino/hy-335b/ask2/src$
```