

Gebze Technical University
Computer Engineering

CSE 244
2017 Spring

FINAL REPORT

Furkan AKTAŞ
141044029

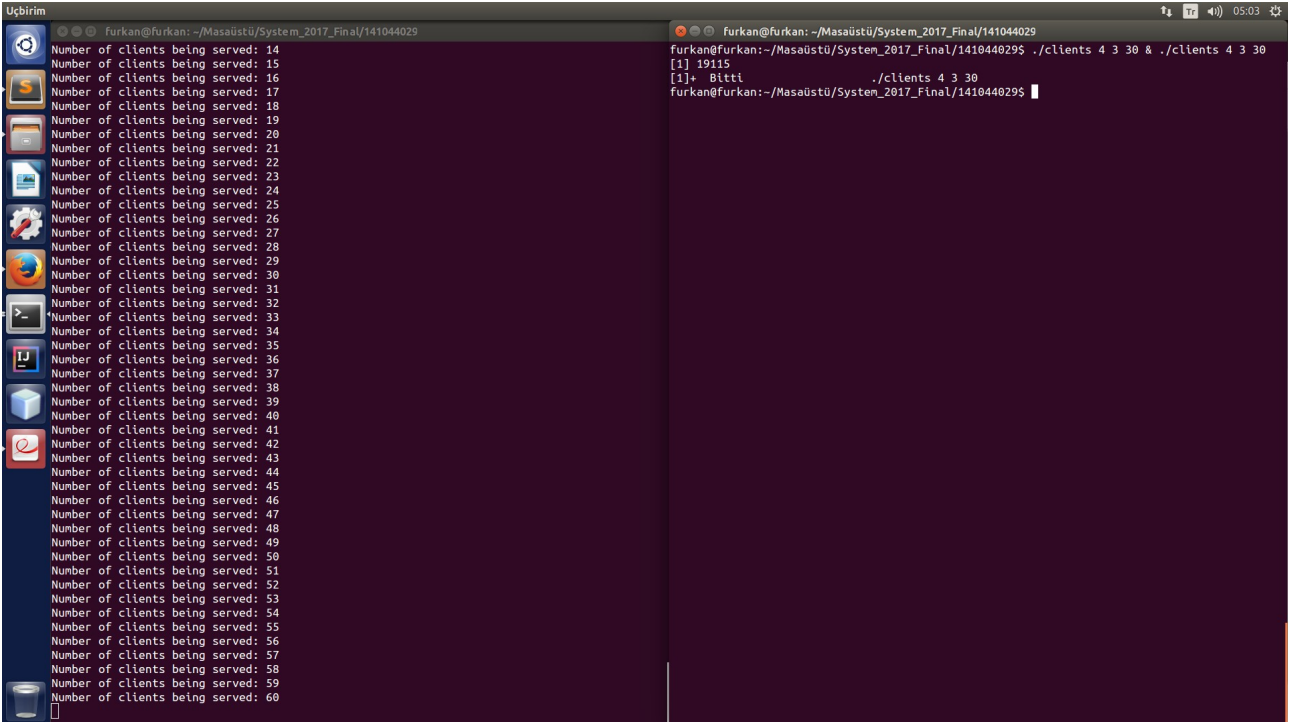
Yapılanlar:

thread-per-request server
server-client socket ile haberleşme
P1,P2,P3 için 3 process
P1,P2,P3 arası Shared Memory ile haberleşme
loglar
Pseudo Inverse solve
Ctrl-C ile program sonlandırma

Yapılamayanlar:

QR ve SVD ve bundan kaynaklı olarak P2 için thread yapısı
(https://rosettacode.org/wiki/QR_decomposition#C) buradaki koddan yararlanarak qr implement ettim fakat doğru sonuçlara ulaşamadığım için eklemedim. Sadece pseudo invers uyguladım. Kodlar mevcut.
worker pool server

Ekran Çıktıları:



```
furkan@furkan: ~/Masaüstü/System_2017_Final/141044029
Number of clients being served: 14
Number of clients being served: 15
Number of clients being served: 16
Number of clients being served: 17
Number of clients being served: 18
Number of clients being served: 19
Number of clients being served: 20
Number of clients being served: 21
Number of clients being served: 22
Number of clients being served: 23
Number of clients being served: 24
Number of clients being served: 25
Number of clients being served: 26
Number of clients being served: 27
Number of clients being served: 28
Number of clients being served: 29
Number of clients being served: 30
Number of clients being served: 31
Number of clients being served: 32
Number of clients being served: 33
Number of clients being served: 34
Number of clients being served: 35
Number of clients being served: 36
Number of clients being served: 37
Number of clients being served: 38
Number of clients being served: 39
Number of clients being served: 40
Number of clients being served: 41
Number of clients being served: 42
Number of clients being served: 43
Number of clients being served: 44
Number of clients being served: 45
Number of clients being served: 46
Number of clients being served: 47
Number of clients being served: 48
Number of clients being served: 49
Number of clients being served: 50
Number of clients being served: 51
Number of clients being served: 52
Number of clients being served: 53
Number of clients being served: 54
Number of clients being served: 55
Number of clients being served: 56
Number of clients being served: 57
Number of clients being served: 58
Number of clients being served: 59
Number of clients being served: 60

furkan@furkan: ~/Masaüstü/System_2017_Final/141044029
furkan@furkan:~/Masaüstü/System_2017_Final/141044029$ ./clients 4 3 30 & ./clients 4 3 30
[1] 19115
[1]+  Bitti                  ./clients 4 3 30
furkan@furkan:~/Masaüstü/System_2017_Final/141044029$
```

logs

Başlangıç Masaüstü System_2017_Final 141044029 logs

Yerler

- Son
- Ev
- Masaüstü
- Çöp

Aygıtlar

- Bilgisayar

Yer İmleri

- NetBeansProjects
- IdeaProjects

Ağ

- Ağa Gözet
- Sunucuya Bağlan

Number of clients being served: 44

121 öğe seçildi

A=[92 B=[93 X=[-1	A=[92 B=[93 X=[-1	A=[87 B=[55 X=[0.	A=[87 B=[55 X=[0.
-1545259264- Client	-1545259264- Server	-1553651968- Client	-1553651968- Server
A=[57 B=[84 X=[-1	A=[57 B=[84 X=[-1	A=[93 B=[87 X=[-1	A=[93 B=[87 X=[-1
-1562044672- Client	-1562044672- Server	-1570437376- Client	-1570437376- Server
A=[23 B=[48 X=[-1	A=[23 B=[48 X=[-1	A=[88 B=[44 X=[-1	A=[88 B=[44 X=[-1
-1578830080- Client	-1578830080- Server	-1587222784- Client	-1587222784- Server
A=[35 B=[65 X=[0.	A=[35 B=[65 X=[0.	A=[68 B=[82 X=[0.	A=[68 B=[82 X=[0.
-1595615488- Client	-1595615488- Server	-1604008192- Client	-1604008192- Server
A=[58 B=[65 X=[6.	A=[58 B=[65 X=[6.	A=[58 B=[92 X=[-1	A=[58 B=[92 X=[-1
-1612400896- Client	-1612400896- Server	-1620793600- Client	-1620793600- Server
A=[63 B=[22 X=[1.	A=[63 B=[22 X=[1.	A=[97 B=[45 X=[-1	A=[97 B=[45 X=[-1
-1629186304- Client	-1629186304- Server	-1637579008- Client	-1637579008- Server

2011657984-Server x

```
1 A=[26.00 0.00 38.00 ;33.00 59.00 29.00 ;54.00 72.00 19.00 ;73.00 3.00 29.00 ]
2 B=[5.00 ;37.00 ;80.00 ;20.00 ]
3 X=[0.40 ;0.74 ; -0.27 ]
```

2011657984-Client x

```
1 A=[26.00 0.00 38.00 ;33.00 59.00 29.00 ;54.00 72.00 19.00 ;73.00 3.00 29.00 ]
2 B=[5.00 ;37.00 ;80.00 ;20.00 ]
3 X=[0.40 ;0.74 ; -0.27 ]
4 Norm of the error : 16.752
```

Clients x

```
1 Average connection time : 5.843
2 Standard deviation of the overall run : 5.871
3 Average connection time : 5.908
4 Standard deviation of the overall run : 6.138
```