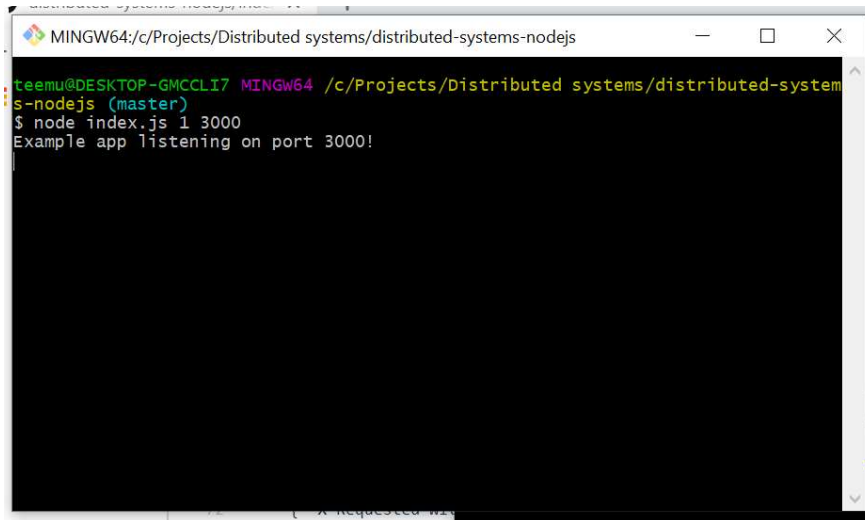


Demo for Distributed Systems group task 1

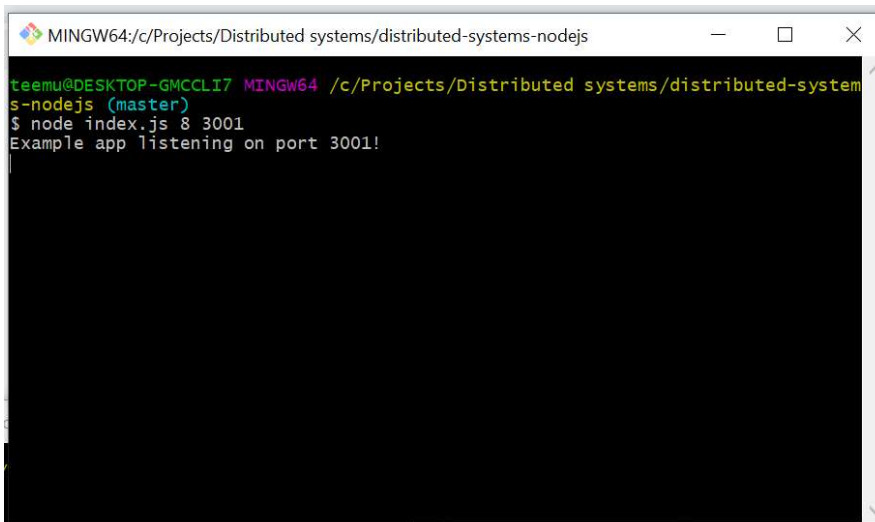
Messaging

1. Initialize 3 running instances. After “index.js” the first argument is for client id and second is for port.



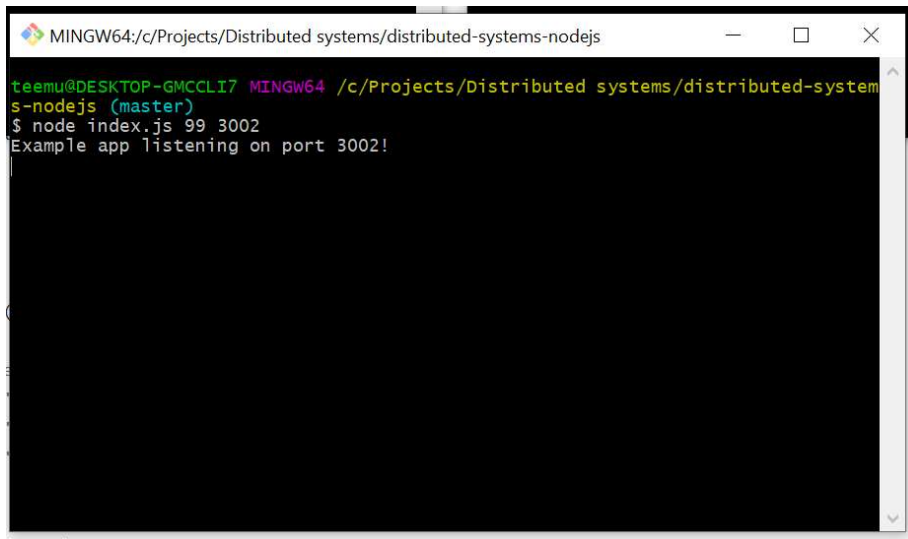
```
MINGW64:/c:/Projects/Distributed systems/distributed-systems-nodejs
teemu@DESKTOP-GMCCLI7 MINGW64 /c:/Projects/Distributed systems/distributed-system
s-nodejs (master)
$ node index.js 1 3000
Example app listening on port 3000!
```

Here client 8 is initialized.



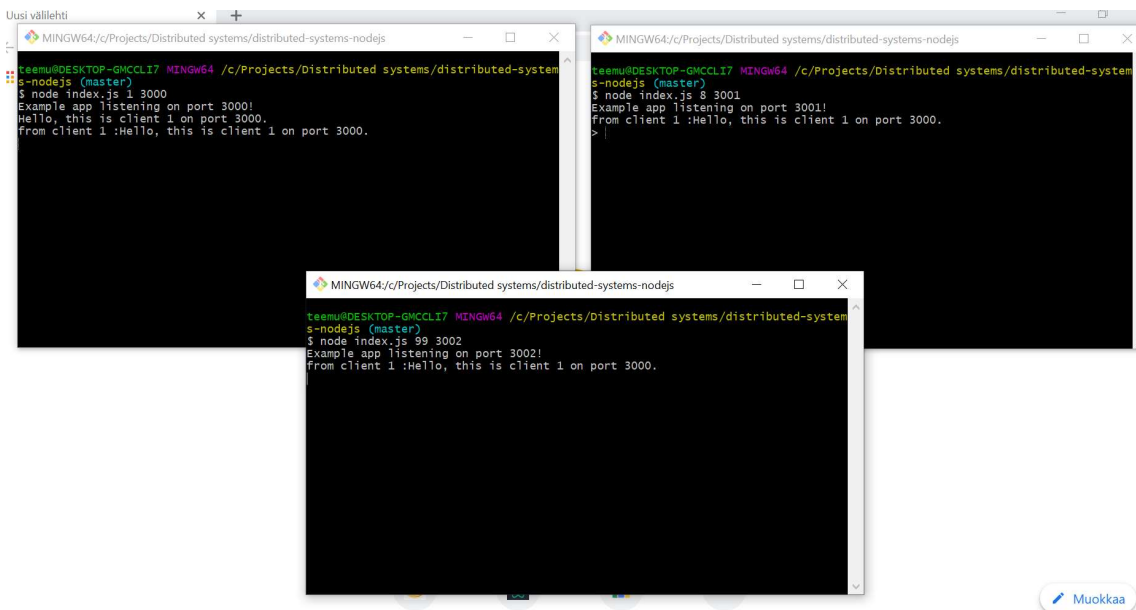
```
MINGW64:/c:/Projects/Distributed systems/distributed-systems-nodejs
teemu@DESKTOP-GMCCLI7 MINGW64 /c:/Projects/Distributed systems/distributed-system
s-nodejs (master)
$ node index.js 8 3001
Example app listening on port 3001!
```

Client 99 initialization on port 3002.

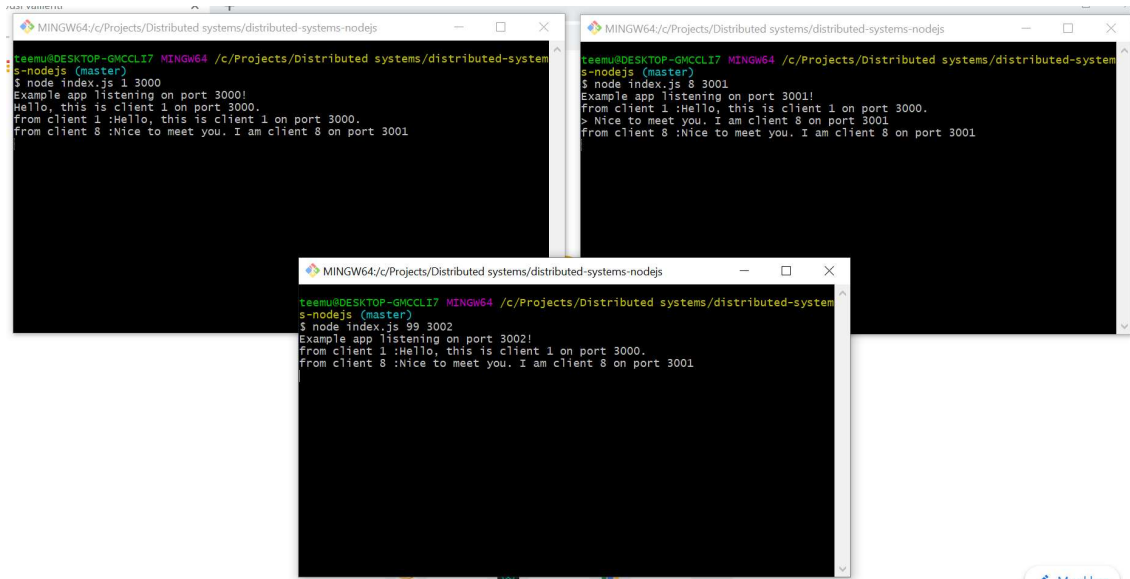


```
MINGW64:/c/Projects/Distributed systems/distributed-systems-nodejs
teemu@DESKTOP-GMCCLI7 MINGW64 /c/Projects/Distributed systems/distributed-system
s-nodejs (master)
$ node index.js 99 3002
Example app listening on port 3002!
```

2. Give messages with any of the running clients. Here on first picture client 1 sends hello to which second client (client 8) answers back shown on second picture below.



Client 8 answering to received message.



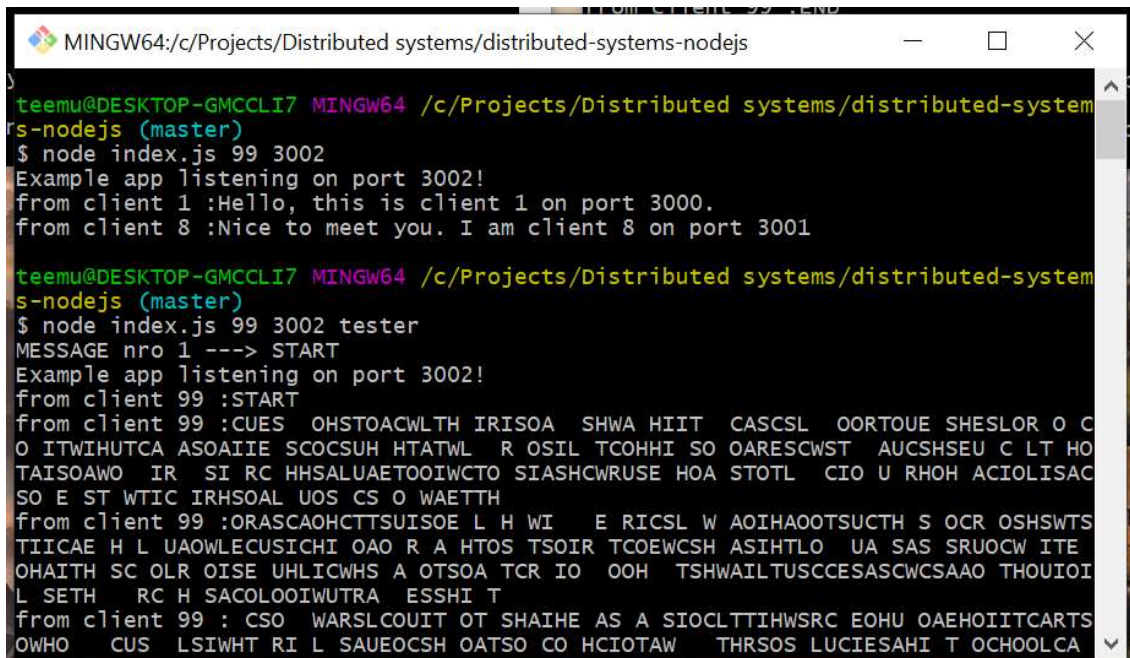
```
teemu@DESKTOP-GMCCLI7 MINGW64 /c/Projects/Distributed systems/distributed-systems-nodejs (master)
$ node index.js 1 3000
Example app listening on port 3000!
Hello, this is client 1 on port 3000.
from client 1 :Hello, this is client 1 on port 3000.
from client 8 :Nice to meet you. I am client 8 on port 3001

teemu@DESKTOP-GMCCLI7 MINGW64 /c/Projects/Distributed systems/distributed-systems-nodejs (master)
$ node index.js 8 3001
Example app listening on port 3001!
from client 1 :Hello, this is client 1 on port 3000.
> Nice to meet you. I am client 8 on port 3001
from client 8 :Nice to meet you. I am client 8 on port 3001

teemu@DESKTOP-GMCCLI7 MINGW64 /c/Projects/Distributed systems/distributed-systems-nodejs (master)
$ node index.js 99 3002
Example app listening on port 3002!
from client 1 :Hello, this is client 1 on port 3000.
from client 8 :Nice to meet you. I am client 8 on port 3001
```

Testing

1. Initialize one of the clients as tester. This automatically runs the testing procedure.



```
teemu@DESKTOP-GMCCLI7 MINGW64 /c/Projects/Distributed systems/distributed-systems-nodejs (master)
$ node index.js 99 3002
Example app listening on port 3002!
from client 1 :Hello, this is client 1 on port 3000.
from client 8 :Nice to meet you. I am client 8 on port 3001

teemu@DESKTOP-GMCCLI7 MINGW64 /c/Projects/Distributed systems/distributed-systems-nodejs (master)
$ node index.js 99 3002 tester
MESSAGE nro 1 ---> START
Example app listening on port 3002!
from client 99 :START
from client 99 :CUES OHSTOACWLTH IRISOA SHWA HIIT CASCSL OORTOUE SHESLOR O C
O ITWIHUTCA ASOAIIE SCOCSTH HTATWL R OSIL TCOHHI SO OARESCWST AUCSHSEU C LT HO
TAISOAWO IR SI RC HHSALUAETOOIWCTO SIASHCWRUSE HOA STOTL CIO U RHOH ACIOLISAC
SO E ST WTIC IRHSOAL UOS CS O WAETHH
from client 99 :ORASCAOHCTTSUISOE L H WI E RICSL W AOIHAAOOTSUCTH S OCR OSHSWTS
TIICAE H L UAOWLECUSICHI OAO R A HTOS TSOIR TCOEWCSH ASIHTLO UA SAS SRUOCW ITE
OHAITH SC OLR OISE UHLICWHS A OTSOA TCR IO OOH TSHWAILTUSCCESASCWSCSAO THOUOI
L SETH RC H SACOLOOIWUTRA ESSHI T
from client 99 : CSO WARSLCOUIT OT SHAIHE AS A SIOCLTTIHWSRC EOHU OAEHOIITCARTS
OWHO CUS LSIWHT RI L SAUEOCSTH OATSO CO HCIOTAW THRSOS LUCIESAHI T OCHOOOLCA
```

2. Get results from each client.

