

# **Network Programming**

## **Assignment 3**

### **Execution results**

**20182705**

**빙기범**

1.

## Server

```
(base) C:\Users\kibum\work\network_programming\assignment3>python problem1_server.py localhost
problem1_server.py:5: DeprecationWarning: "@coroutine" decorator is deprecated since Python 3.8, use "async def" instead
  def handle_conversation(reader, writer):
Listening at ('localhost', 1060)
Accepted connection from ('127.0.0.1', 51033)
[('127.0.0.1', 51033)]Random number is 4
Accepted connection from ('127.0.0.1', 51034)
[('127.0.0.1', 51034)]Random number is 7
[('127.0.0.1', 51033)]Random number is 1
Close the connection with ('127.0.0.1', 51033)
Close the connection with ('127.0.0.1', 51034)
```

## Client1

```
(base) C:\Users\kibum\work\network_programming\assignment3>python problem1_client.py localhost
input: start
Guess a number between 1 to 10
input: 1
You guessed too small!
input: 2
You guessed too small!
input: 10
You Guessed too high!
input: 9
You Guessed too high!
input: 3
You guessed too small!
You lose.
input: start
Guess a number between 1 to 10
input: 3
You Guessed too high!
input: end
Game end.
input: close
Close the connection.
```

## Client2

```
(base) C:\Users\kibum\work\network_programming\assignment3>python problem1_client.py localhost
input: start
Guess a number between 1 to 10
input: 1
You guessed too small!
input: 10
You Guessed too high!
input: 6
You guessed too small!
input: 7
Congratulations you did it.
input: end
Wrong input. Try again.
input: close
Close the connection.
```

2.

Server\_

generate random strings news and categorize them

```
(base) C:\Users\kibum\work\network_programming\assignment3>python problem2_server.py
SP0CQ0ce
TEChgqblM
SC1rxVcL
SP0KvNiq
SP0IGTmi
TECVmSch
TECVIEaz
TECbKarn
SC1xSwoX
TECWIsiy
SP0CRaEp
SP0BGKDt
SP0Mwaxb
TEOUFtoI
SC1zWyHr
SP0AikXo
SP0Giroc
SP0GWlyG
TECbbiez
SC1kqbcf
SP0LpyHw
SP0PTPvV
SC1sFHFB
SP0KJtNP
SC1kyjmc
SP0QvIiz
TEChpdBZ
TECeaLSL
SP0GTzpz
TEC3mHFF
TECZrrtQ
TECVIBEd
SP00yfnb
SC1jaVar
SC1kZTvT
TEChJXnF
SP0LjTfH
SP0DzhRj
SC1skrmZ
SP0NhtF
SC1IYSE0
SC1vvqUa
SP0EBZnI
TECiwQK0
SP0Daq0i
SP0LCUwI
TECdKufh
```

Client1\_sports

```
(base) C:\Users\kibum\work\network_programming\assignment3>python problem2_client.py
Choose category[sports, technology, science]>>sports
Subscribe sports news.
SP0MIkxw
SP0EKrBA
SP0NFAnd
SP0ADhaW
SP0NXDAX
SP0NkvuV
SP00JzeG
SP0QIzAy
SP0LBQnK
SP0ItAJb
SP0JlrFs
SP0JytGZ
SP0JchCh
SP0LgfKd
SP0MBiJh
SP0Rcvta
SP0FNepe
SP0Ifaaw
SP0Jczpk
SP0RShTI
SP0MSdAE
SP0QuDJH
SP0Npwmk
SP0MGjzE
SP0IyWcx
SP0HLYGN
SP0LWFxI
SP0LAKoE
SP0PwOVL
SP0AKFm0
SP0BIJen
SP0NNEJB
SP00yhFM
SP0OKYhC
SP0EHvSf
SP0QPcTM
SP0FGMcZ
SP0CjiCT
SP0Gxzpg
SP0JzaCe
SP0IaIBX
SP0EMMY
SP0AisCR
```

## Client2\_technology

```
(base) C:\Users\kibum\work\network_programming\assignment3>python problem2_client.py
Choose category[sports, technology, science]>>technology
Subscribe technology news.
TECdRI nn
TECZYWiY
TECfmPuG
TECeAlmZ
TECXyzoE
TECeniEe
TECavfth
TECiAWUG
TECZGRJX
TECadUPH
TECcSkSg
TECcXziT
TECaPsXm
TECZiTpY
TECUGAme
TEChEKBy
TECbECIc
TECSaKzB
TEChDtSC
TECZjLiU
TECghcvQ
TECiPugw
TECaYati
TECbnDDR
TECihZEM
TECYxyyV
TECWFIJC
TECfGPYw
TECbanSL
TECdsOfI
TECeOUOx
TECSoghr
TECbBNIk
TECSRjiV
TECcGsCf
TECVBRkg
TECTfmcv
TEChDVTj
TECSQMSH
TECVAFWH
```

## Client3\_science

```
(base) C:\Users\kibum\work\network_programming\assignment3>python problem2_client.py
Choose category[sports, technology, science]>>science
Subscribe science news.
SClrlgSZ
SClwKJXc
SClxLdTq
SClvoELt
SClsjMzU
SClxuJIC
SClxYvxt
SClsxNpK
SCloIAOC
SCloNkgC
SClnQffh
SClkGQAw
SClloQTz
SCllvVIF
SClnaosd
SClmyQs
SClqiskJ
SClkKJIj
SClpcIEB
SClmbxDS
SClojXRW
SCljJbgx
SClnJpN
SClkasky
SClkcVms
SClnoFBy
SClvLxiO
SClztCCo
SCltCdjj
SClzMMAJ
SClINzOQ
SClrTqLU
SClrPdVY
SClmPocV
SClzbNSG
SClrgeag
SCljdnxV
SClwwpxD
SClyaEfv
SClrzqLK
SClxMowi
SClreVcB
SClnrNSU
```