TCP Quiz

Start a new server using the command → ./quiz_server -p 8080

```
aakrist@jumbo:/mnt/HDD/Projects/8th Sem/Network Programming Labs/06-TCP-Quiz$
 ./quiz_server -p 8080
Server is waiting connection at port 8080
No Question to place...
Sending message to all: 1Enter new question
```

Clients join the server using the command → ./quiz_client -h 127.0.0.1 -p 8080 -u DrStrange

```
aakrist@jumbo:/mnt/HDD/Projects/8th Sem/Network Programmi
 ./quiz_client -h 127.0.0.1 -p 8080 -u DrStrange
0Welcome to Quiz!!
1Enter new question
```

06-TCP-Quiz : quiz_client — Konsole <2>
```
aakrist@jumbo:/mnt/HDD/Projects/8th Sem/Network Programming Labs
 ./quiz_client -h 127.0.0.1 -p 8080 -u StarLord
0Welcome to Quiz!!
1Enter new question
```

06-TCP-Quiz : quiz_client — Konsole <3>
```
aakrist@jumbo:/mnt/HDD/Projects/8th Sem/Network Programming Labs/
 ./quiz_client -h 127.0.0.1 -p 8080 -u Drax
0Welcome to Quiz!!
1Enter new question
```

Clients place new question → 2Question?(Answer)

```
aakrist@jumbo:/mnt/HDD/Projects/8th Sem/Network Programming Lab
 ./quiz_client -h 127.0.0.1 -p 8080 -u DrStrange
0Welcome to Quiz!!
1Enter new question

StarLord joined the quiz.

Drax joined the quiz.
                            I
2What is the capital of Bhutan?(Thimpu)
Your question '3What is the capital of Bhutan?' is active.
```

What other users see:

```
                    06-TCP-Quiz : quiz_client — Konsole <2>
aakrist@jumbo:/mnt/HDD/Projects/8th Sem/Network Programming Labs/
 ./quiz_client -h 127.0.0.1 -p 8080 -u StarLord
0Welcome to Quiz!!
1Enter new question

Drax joined the quiz.

3What is the capital of Bhutan?
```

On wrong answer:

```
                    06-TCP-Quiz : quiz_client — Konsole <2>
aakrist@jumbo:/mnt/HDD/Projects/8th Sem/Network Programming Labs/
 ./quiz_client -h 127.0.0.1 -p 8080 -u StarLord
0Welcome to Quiz!!
1Enter new question

Drax joined the quiz.

3What is the capital of Bhutan?
4China
Your answer: 'China' is not correct.
```

On correct answer:


```
06-TCP-Quiz : quiz_client — Konsole <3>
aakrist@jumbo:/mnt/HDD/Projects/8th Sem/Network Programming Labs/06
 ./quiz_client -h 127.0.0.1 -p 8080 -u Drax
0Welcome to Quiz!!
1Enter new question

3What is the capital of Bhutan?
4Thimpu
Question: 3What is the capital of Bhutan?
Answer: Thimpu
Winner: Drax
1Enter new question
```

On time expired


```
3Full form of WHO?
Time exceeded.
Correct answer:World Helth Organization
1Enter new question
```

On using wrong question format

```
1Enter new question

2Where is Gamora?

Wrong question format.
Use <2Question?(Answer)> to enter new question.
```

On wrong input

```
nothing
Wrong input format.
Use <2Question?(Answer)> to add new quiz.
use <4Answer> to answer active question.
use <QUIT> to quit.
```

References:

https://github.com/kamal210/TCP-Quez/

Lewis Van Winkle – Hands on Network Programming with C

Yashavant Kanetkar – Let us C

UNIX Network Programming Volume 1, Third Edition: The Sockets Networking API