Execution Result of Assignment #1

Network Programming

Global Media

20182705

빙기범

Question #1

```
HTTP/1.1 200 OK
Server: nginx/1.10.3
Date: Sun, 27 Mar 2022 10:37:18 GMT
Content-Type: application/json
Content-Length: 518
Connection: close
Via: 1.1 vegur

{
  "message": "success",
  "request": {
    "altitude": 100,
    "datetime": 1648374792,
    "latitude": 45.0,
    "longitude": 180.0,
    "passes": 5
  },
  "response": [
    {
      "duration": 622,
      "risetime": 1648377388
    },
    {
      "duration": 242,
      "risetime": 1648383326
    },
    {
      "duration": 339,
      "risetime": 1648432011
    },
    {
      "duration": 631,
      "risetime": 1648437619
    },
    {
      "duration": 649,
      "risetime": 1648443413
    }
  ]
}
```

Question #2

1)

send 'Soongsil University' (19 bytes)

receive Error 403 Forbidden.

2)

send 'Soongsil University2' (20 bytes)

receive 20

```
(npEnv) C:\Users\kibum\work\network_programming\assignment_1>python 20182705_1_2.py -p 1068 client 127.0.0.1
Please input data: Soongsil University
Send "Soongsil University" to server.

(npEnv) C:\Users\kibum\work\network_programming\assignment_1>python 20182705_1_2.py -p 1068 client 127.0.0.1
Please input data: Soongsil University2
Send "Soongsil University2" to server.
```

```
(npEnv) C:\Users\kibum\work\network_programming\assignment_1>python 20182705_1_2.py -p 1068 server 127.0.0.1
Listening for datagrams at ('127.0.0.1', 1068)
Error 403 Forbidden.
A size of the received data 'Soongsil University2' is 20.
```

Question #3

1) Win game

```
(npEnv) C:\Users\kibum\work\network_programming\assignment_1>python 20182705_1_3.py server localhost
Listening at ('127.0.0.1', 1060)
Waiting to accept a new connection
We have accepted a connection from ('127.0.0.1', 58914)
Socket name: ('127.0.0.1', 1060)
Socket peer: ('127.0.0.1', 58914)
Random number is  1
Socket closed
```

```
(npEnv) C:\Users\kibum\work\network_programming\assignment_1>python 20182705_1_3.py client localhost
Client has been assigned socket name ('127.0.0.1', 58914)
input: start
Guess a number between 1 to 10
input: 1
Congratulations you did it.
```

2) Lose game

```
Waiting to accept a new connection
We have accepted a connection from ('127.0.0.1', 58915)
Socket name: ('127.0.0.1', 1060)
Socket peer: ('127.0.0.1', 58915)
Random number is  9
Socket closed
```

```
(npEnv) C:\Users\kibum\work\network_programming\assignment_1>python 20182705_1_3.py client localhost
Client has been assigned socket name ('127.0.0.1', 58915)
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: 3
You guessed too small!
input: 4
You guessed too small!
You lose.
```