네트워크 프로그래밍 Lab. #02

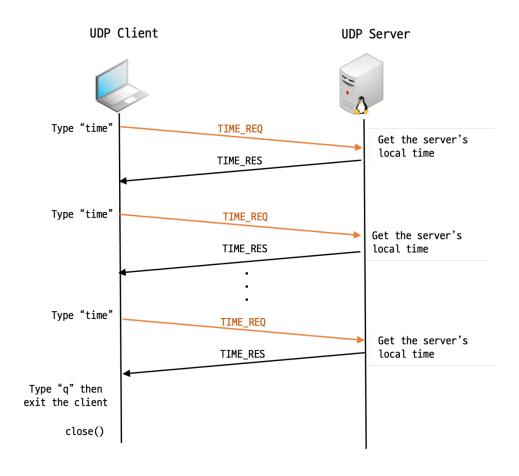
1. TCP 시간 전송 프로그램

제출 파일명: time_server.c time_client.c

■ 패킷 구조 및 메시지 전송

```
#define BUF_SIZE 100
#define TIME_REQ 0 // Request from client to server
#define TIME_RES 1 // Response from server to client

// Packet structure for communication
typedef struct
{
    int cmd; // TIME_REQ or TIME_RES
    char time_msg[BUF_SIZE];
} PACKET;
```



■ 샘플 코드

[실행 결과]

서버	클라이언트
\$ gcc time_server.c -o server	<pre>\$ gcc time_client.c -o client</pre>
\$./server 9190	\$./client 127.0.0.1 9190
Connected client 1, client_sock: 4	Connected
[Server] Rx TIME_REQ	Type a message(time or q): time
[Server] Tx time: 2024-4-4 17:9:14	[Client] Tx TIME_REQ
[Server] Rx TIME_REQ	[Client] Rx TIME_RES: 2024-4-4 17:9:14
[Server] Tx time: 2024-4-4 17:9:20	Type a message(time or q): aaa
[Server] Rx TIME_REQ	Wrong message.
[Server] Tx time: 2024-4-4 17:9:24	Type a message(time or q): time
	[Client] Tx TIME_REQ
	[Client] Rx TIME_RES: 2024-4-4 17:9:20
	Type a message(time or q): time
	[Client] Tx TIME_REQ
	[Client] Rx TIME_RES: 2024-4-4 17:9:24
	Type a message(time or q): q
	Exit client