







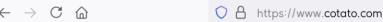




교육목표

- TCP와 UDP의 특징
- TCP와 UDP의 차이점









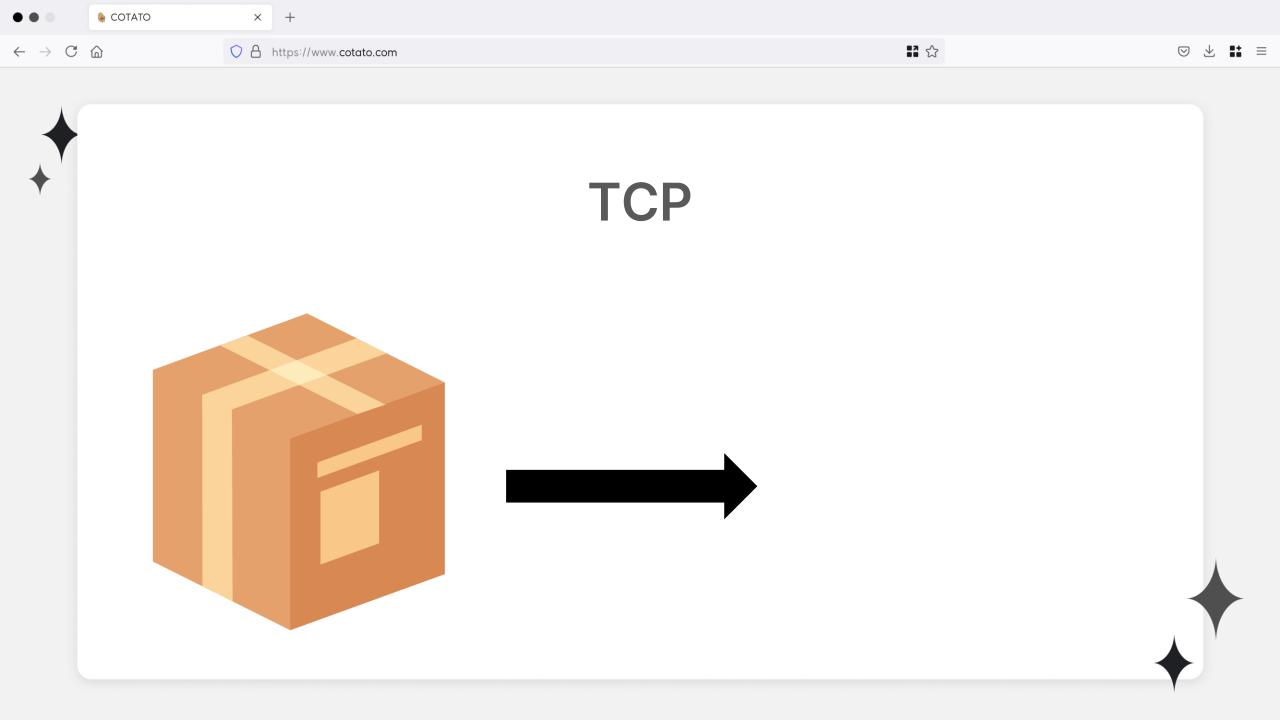


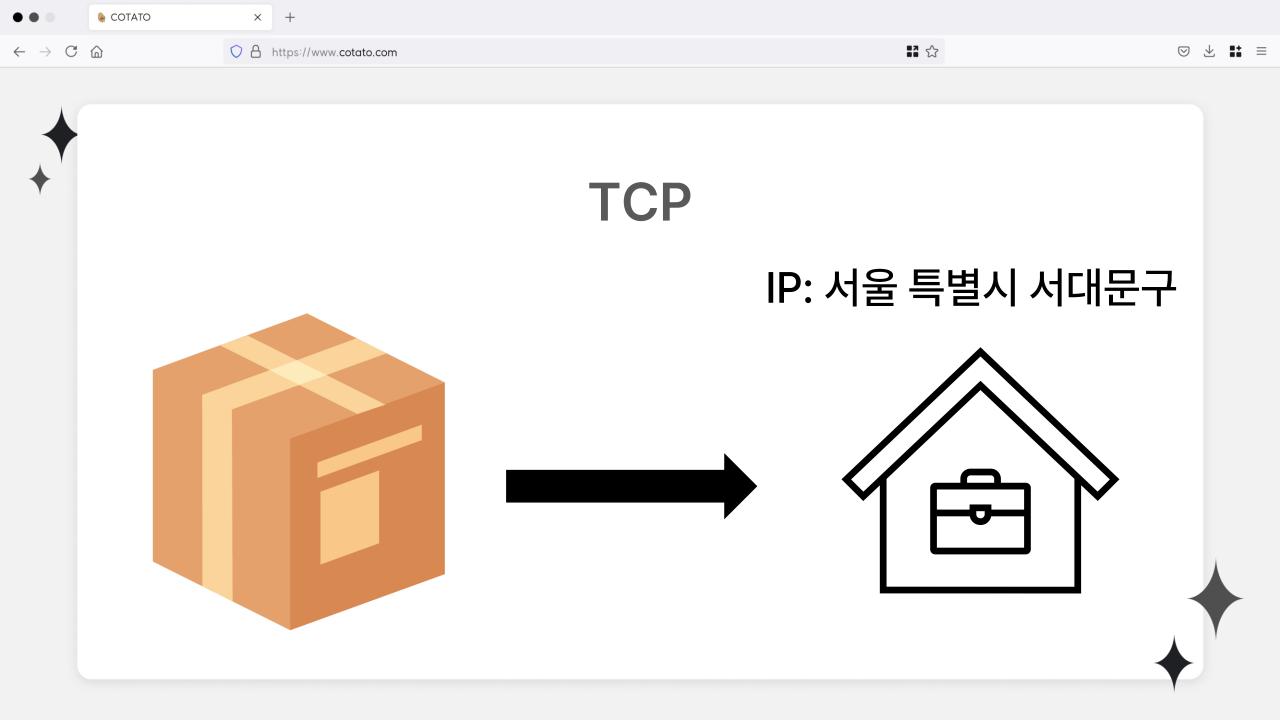
TCP (Transmission Control Protocol)

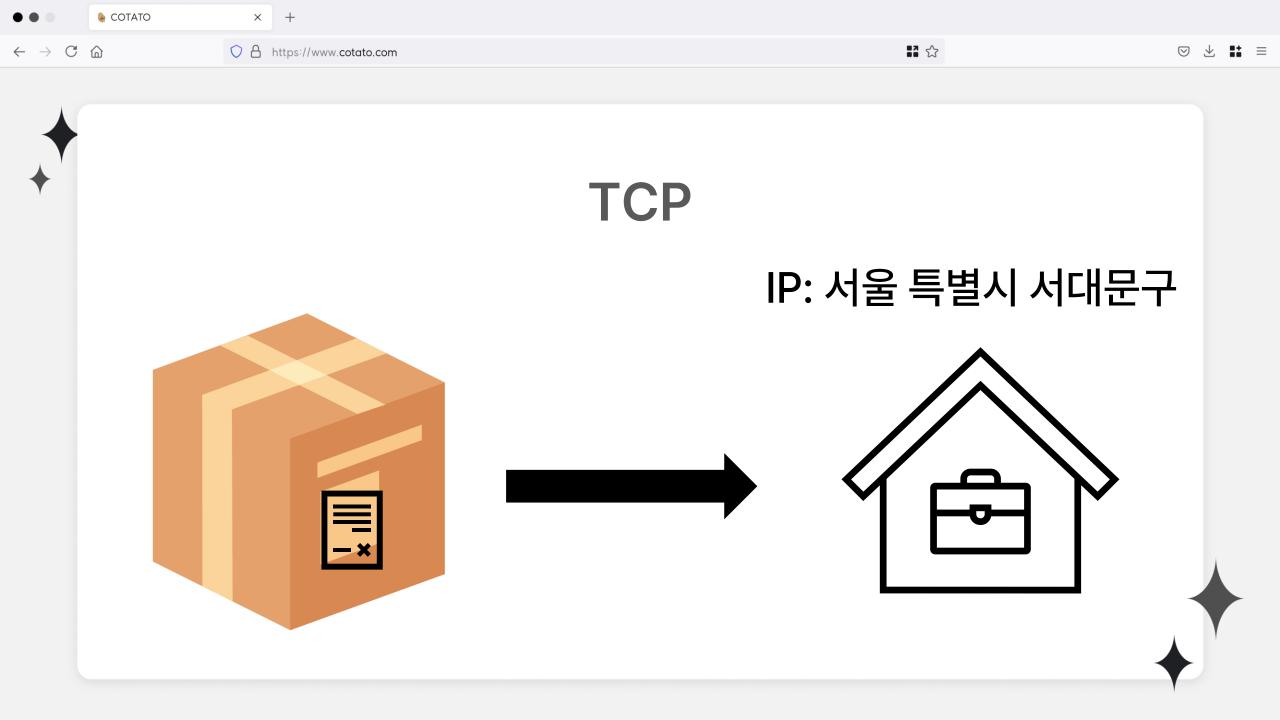
: 인터넷상에서 데이터를 메세지의 형태로 보내기 위해 IP와 함께 사용하는 프로토콜

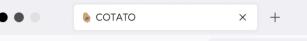


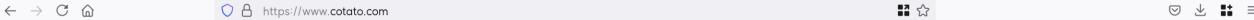


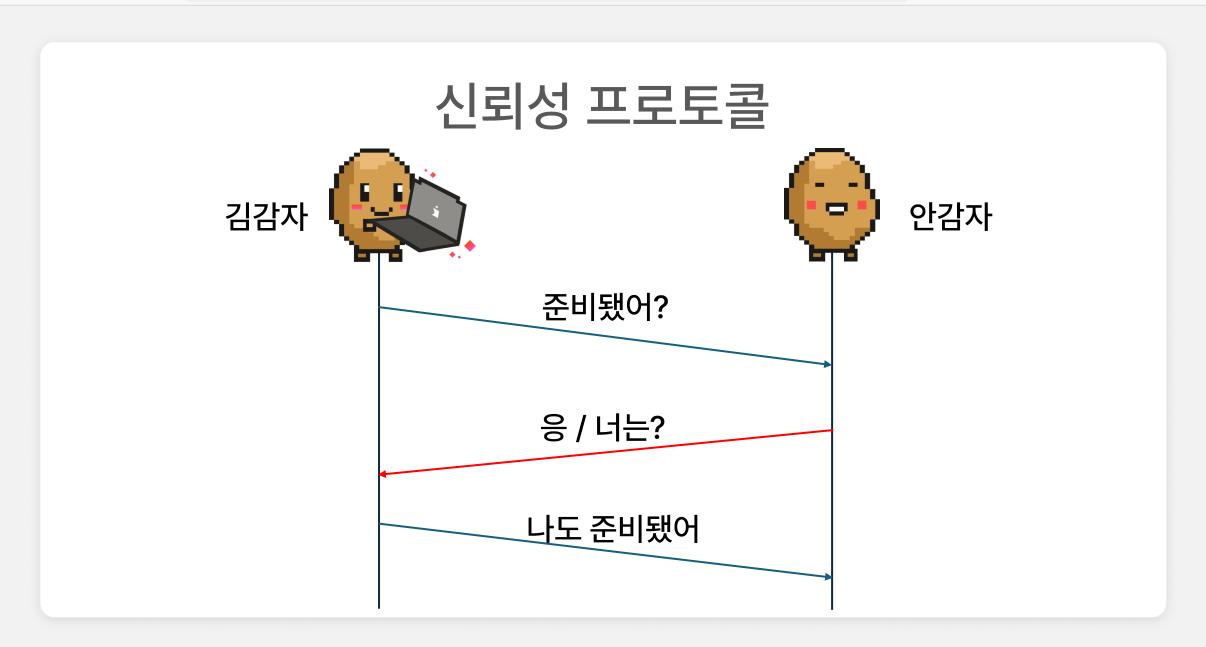
















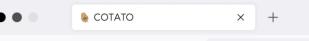




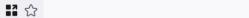


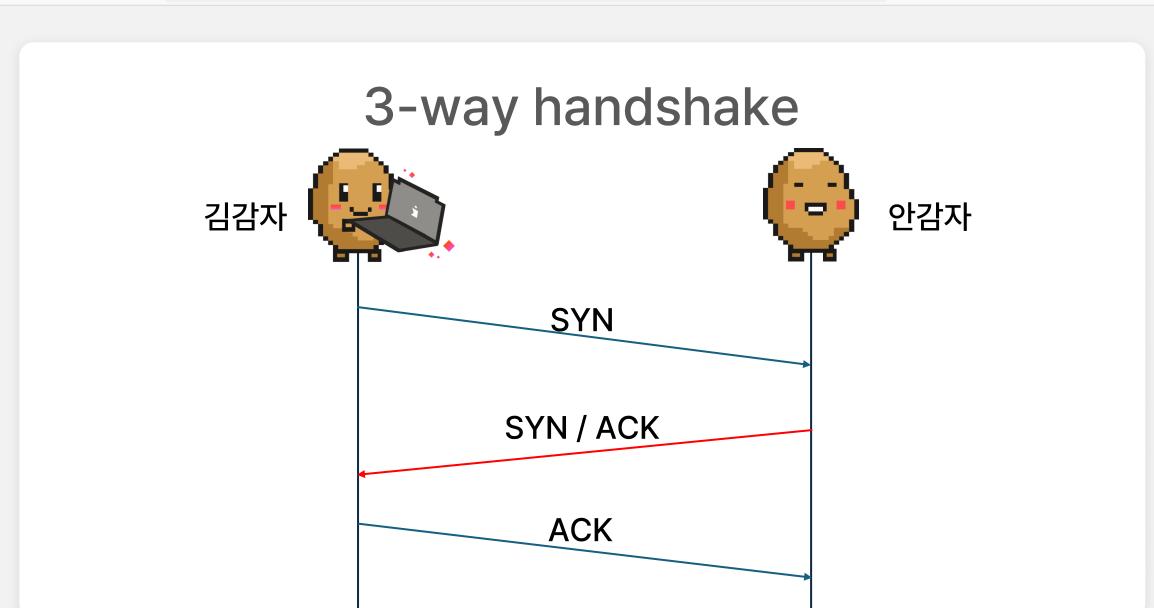
Flag

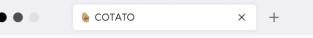
Flag	역할
SYN	연결 요청
ACK	응답
FIN	연결 종료







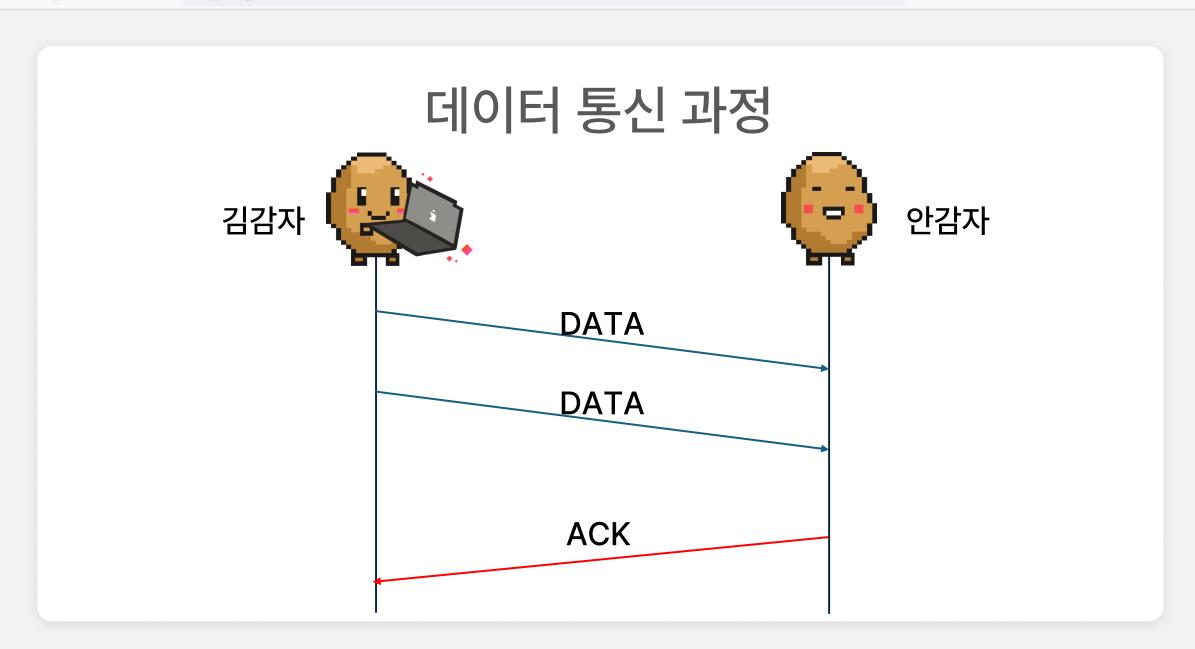


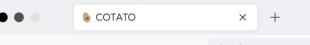


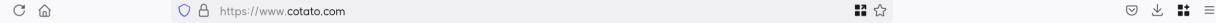


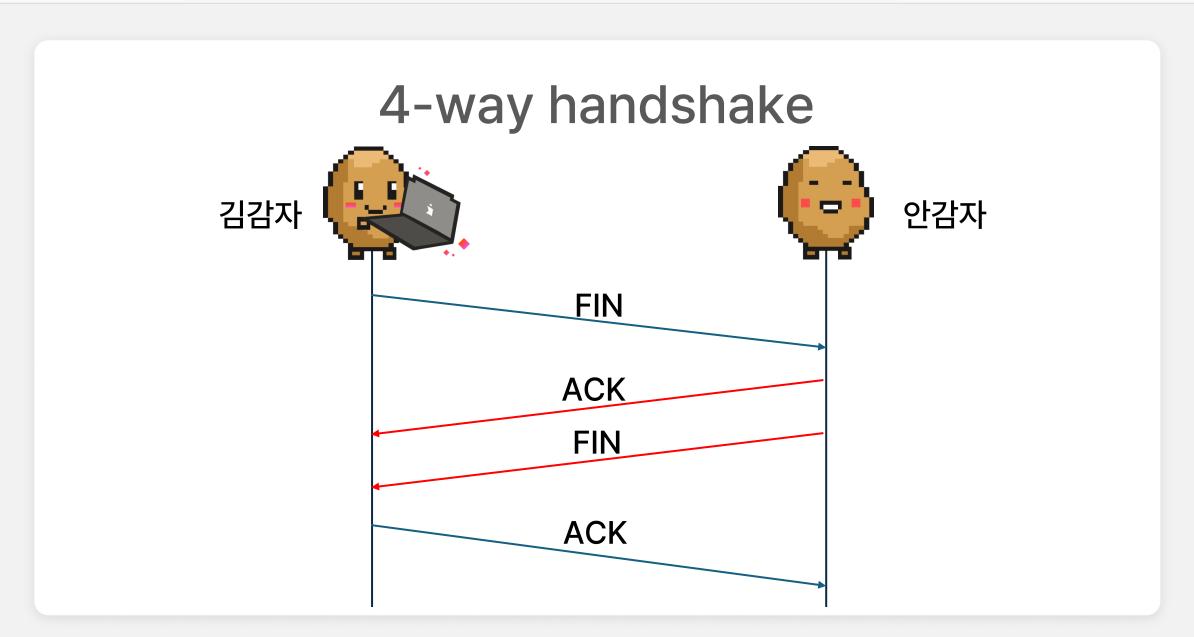
https://www.cotato.com

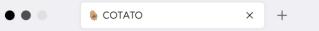
₩ ☆









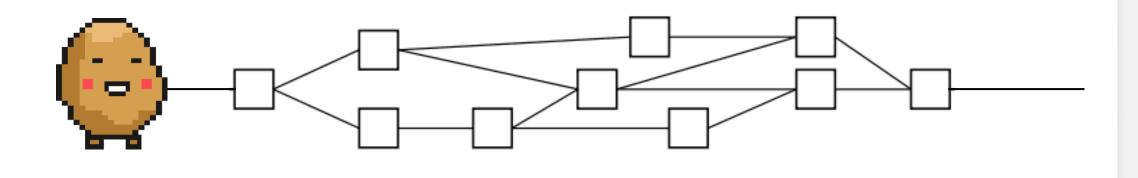


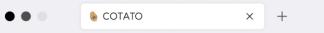












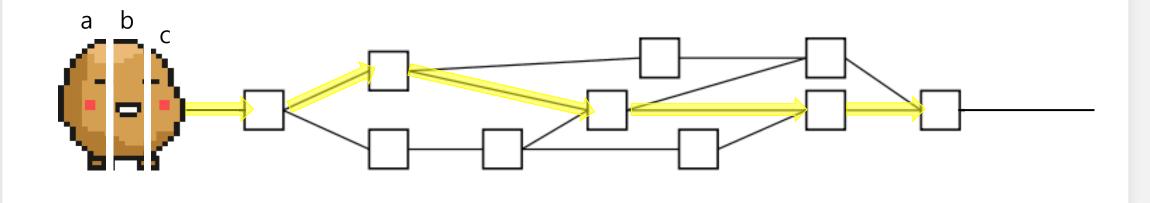


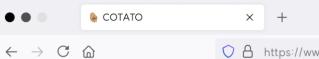


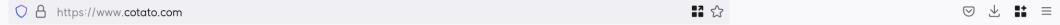


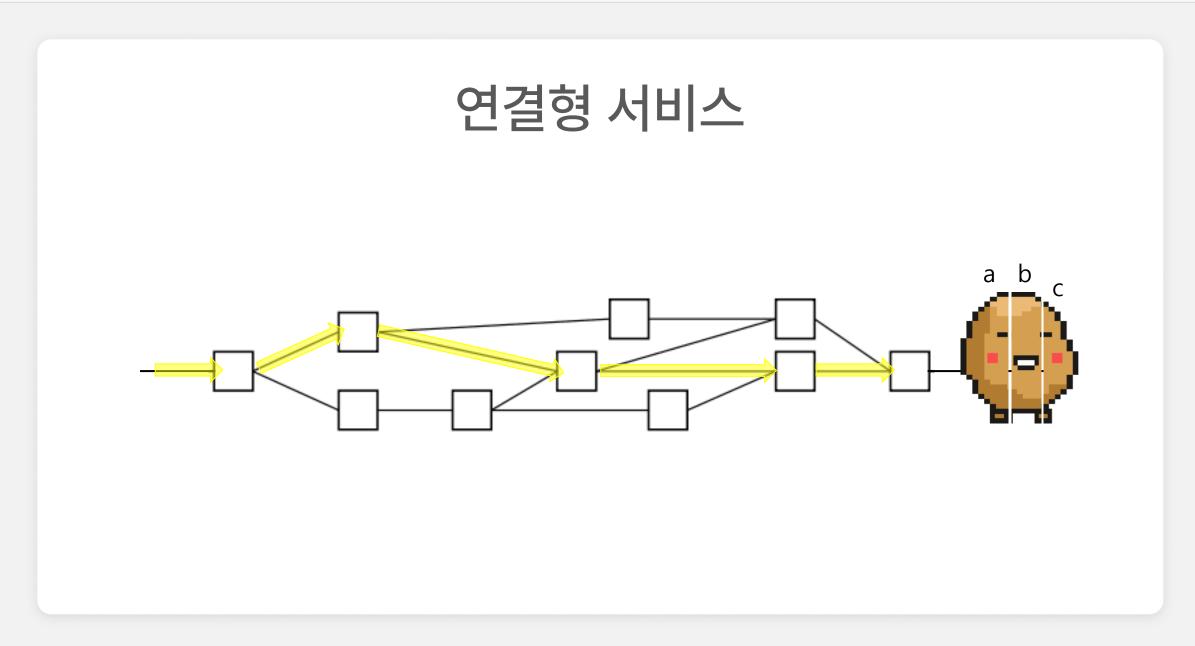




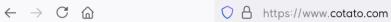














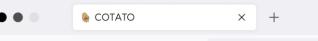




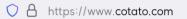
TCP의 전송제어 기법

- 오류 제어
- 혼잡 제어
- 흐름 제어





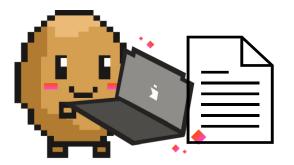




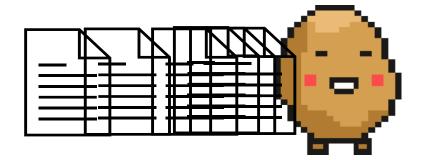


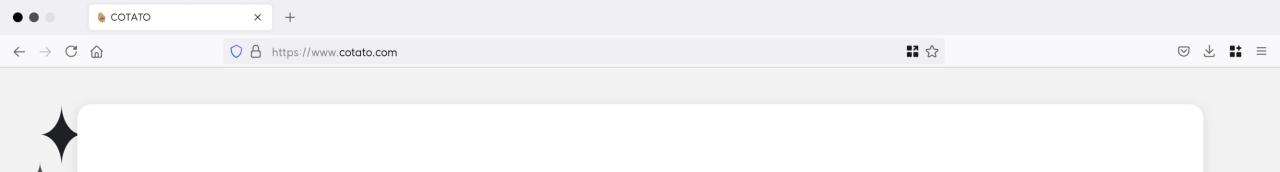


흐름 제어





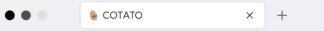




UDP (User Datagram Protocol)

: 데이터를 데이터그램 단위로 처리하는 프로토콜



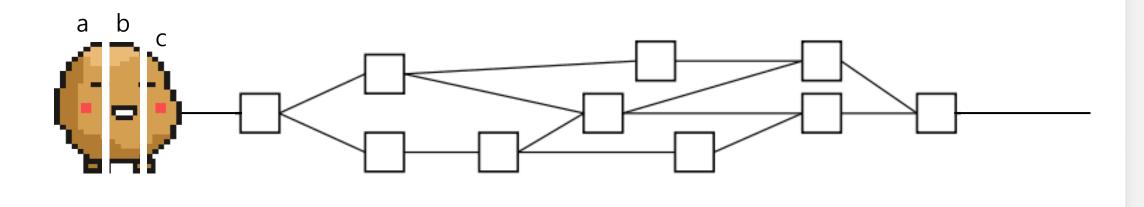




https://www.cotato.com







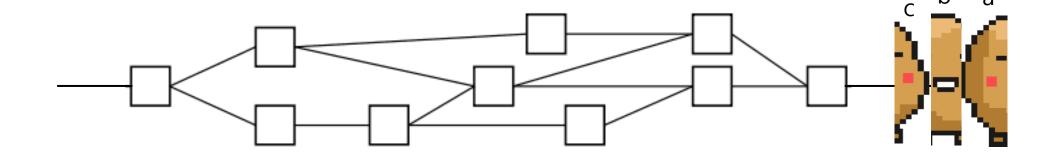


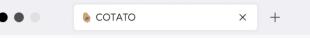












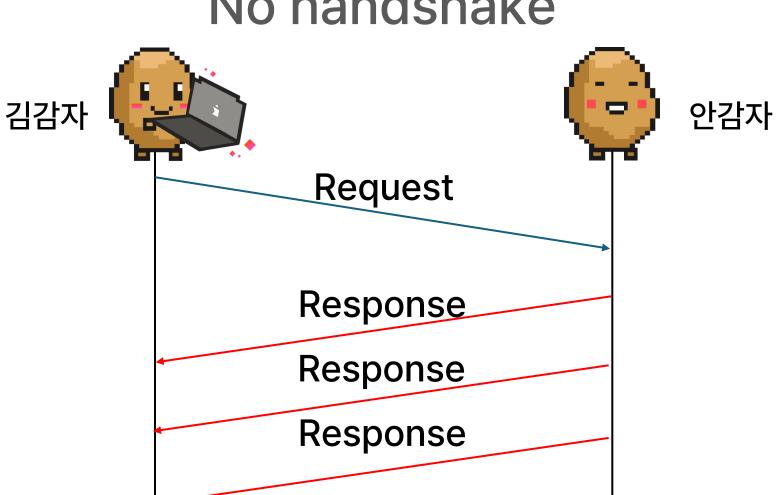




















TCP vs UDP

- 전송 순서 보장 ○
- ⊙ 흐름, 오류, 혼잡 제어
- ✓ 신뢰성 ↑ 속도 ↓

- ♥ 비연결형 서비스
- 전송 순서 보장 X
- ✓ 제어 X
- ◇ 수신 여부 확인 X
- 신뢰성 ↓ 속도 ↑