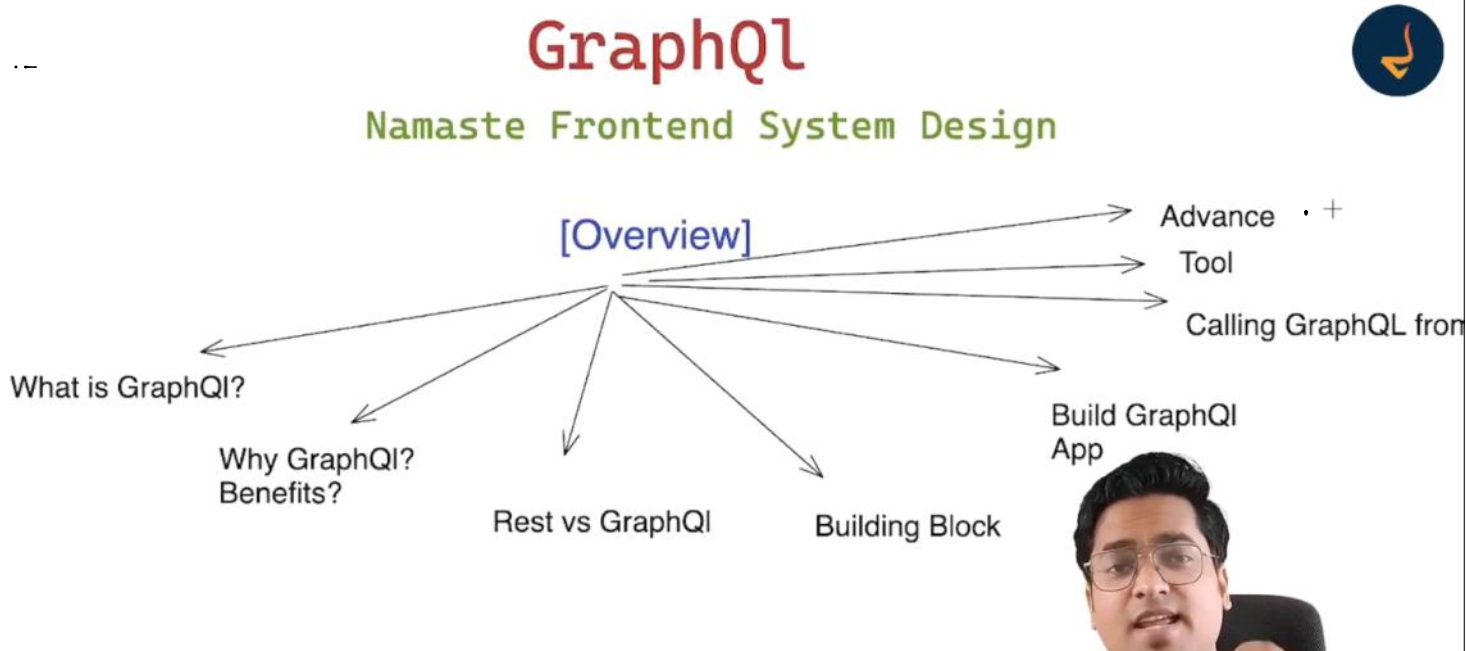


GraphQL → graph query language.

- What?
- Why?
- REST vs GraphQL
- Building Blocks
- How to build GraphQL App
- How to call GraphQL from client
- Tools
- Advance



Rest vs GraphQL

Aspect	REST	GraphQL
Data Fetching	Multiple Endpoints	Single endpoints
Request Structure	Fixed structure + HTTP methods	Flexible (Query / Mutation)
Over-fetching/Under-fetching	Issues	Resolved
Response Size	Fixed size	Flexible size
Versioning	Explicit versioning	Flexible nature
Schema Definition	Not well defined	Explicit schema definition
Real-time Capabilities	Polling, web socket	Out of scope support (Subscription)
Tooling Support	Postman	Playground
Caching	Relies on HTTP cache	Fine grained
Client Control	No client can't decide response	Yes-client can decide
Adoption and Community	Widely adopted	Rapidly growing adoption

