arpc Ctt

=> In CH would, there'no universally eccepted standard for managing preject dependencies.

Le you need to build k install gRPC.

* Update the gRPC service

=> 1) police the application

Ly With extra method on the Server for the client to Coll.

=> Recompile the updated proto.
\$ make -j2

This oregenerates helloworld.pb. Lh, cc) and helloworld.grpc.pb. Lh, cc), which contains the generated client & Servar classo.

L> As well as classes for populating Semiclizing and energies our enequated and energies types.

Basic Tutorial

Basic C++ perogrammesis introduction)
to working with gRPC

Ditting RPC we can define our Service once in a . proto file and generate clients & Servers in any of the gRPC's supported languages

groude-guide. pb. h

La header which decknes your generated massage class.

noute-guide. grpc. pb.h

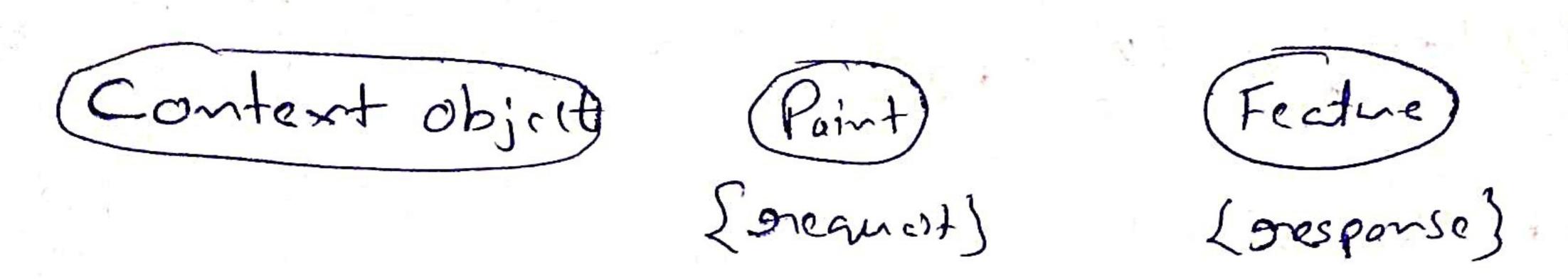
Los header which declars your generated service classes.

* Greating the Server

- => There are two parts to making our Route Guide Service do its job:
 - D'Implementing the service interface generated from our service definition

Doing the actual work of our Service?

2) Running a GRPC server to listen for orequests from clients & oreturn the Service oresponses.



=> Note: All Service methodo (an (k mill) be collect from multiple threed of the Same time.

Le You have to make sure that your method implementations are threed safe.

* Stanting the Server

- => Once we've implemented allow methods, we also need to Start up a gRPC server so that clients can cetually use our service.
 - 1. Greate an Instance of our service implementation collabol RouteGuideImpl.
 - 2. Greate an instance of the factory Server Builder Class.
 - 3. Specify the address k part we want to use to listen for client nequests using the builders AddListening Post() method.
 - 4. Régister our Service implementation with the builder
 - 5. Call Buidflord Start() on the builder to Create & Start on RPC Server for our Service.
 - 6. Call chait () on the server to do a blocking until process is Killed on shutdown () is called.

To cell Service methods, we first need to create a Stub. First we need to contact a DPC along the

=> First we need to crecte a gRPC channel for own stub
, specifying the Server celches and port we want to
Commet to.