package main

import (

"context"

"fmt"

"log"

"net"

pb "path/to/generated/greeter" // Replace with actual import path

"google.golang.org/grpc"

)

// Server struct implements the Greeter service

type Server struct {

pb.UnimplementedGreeterServer

}

// SayHello implements the SayHello RPC method

func (s \*Server) SayHello(ctx context.Context, req \*pb.HelloRequest) (\*pb.HelloReply, error) {

log.Printf("Received: %s", req.Name)

return &pb.HelloReply{Message: "Hello, " + req.Name}, nil

}

// Create a gRPC server

grpcServer := grpc.NewServer()

// Register the Greeter service

pb.RegisterGreeterServer(grpcServer, &Server{})

log.Println("gRPC server is running on port 50051...")

if err := grpcServer.Serve(listener); err != nil {

log.Fatalf("Failed to serve: %v", err)

}