Assignment 2

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Exercise 1 – Running code and outputs

Server Terminal -

Client Terminal -

Exercise 2

1. Installing protobuf from pip3 - pip3 install protobuf
2. Creating Protobuf file and compiling it

syntax = "proto3";

message Message {

int32 fr = 1; // Sender ID

int32 to = 2; // Receiver ID

string msg = 3; // Message content

}

1. Compiling the .protofile - protoc --python\_out=. msgFormat.proto

Server Terminal –

Running the server file: python3 server.py

OUTPUT -

2002 is allocated to the server

A screen shot of a computer

Description automatically generated

Client Terminal – python3 client.py

OUTPUT - A screen shot of a computer program

Description automatically generated

Exercise 3