

# Progr. Project #1 - Week 2 - Assignment 01

- Create a demo (using Python and/or any other language) using gRPC to serve solution of quadratic equation and receiving coefficients from a client.
  - You need to program a **server** that receiving three Real values (the coefficients a, b, and c) computes the solution of the quadratic equation and returns the string answer to the client;
  - You need to program a **client** that requests the service passing three Real values to the server and receiving the string answer, prints it out.

$$\underset{a}{2}x^2 + \underset{b}{3}x - \underset{c}{2} = 0$$

$$X = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

A video explaining how to solve the quadratic equation is available [here](#).



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- Use as base of your solution the examples shown in slides 12 and 13.
  - You should create a folder with all the Python (and/or another language) programs needed to run your example;
  - Name the files with the word "client" and "server" so it is easy to identify where they should be running;
  - Use remarks in your code to make it easier to understand possible problems, but the quality of the remarks itself will be not graded;
  - Try your example thoroughly before submitting it!

Your task:

- Zip your folder (and possibly subfolders) with all necessary files and submit it in the appropriate Canvas until Next Wednesday.



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This assignment counts towards  
the Coding Projects grade.