CLL:113-Tut-6

Q1. Develop a C/C++ program to implement Bairstow's method to determine the positive real roots of

(a) $f(x) = x^3 + x^2 - 4x - 4$

(b) $f(x) = x^3 - 0.5x^2 + 4x - 2$

The program should print values for –
r, s, b3, b2, b1, b0, dels, delr, errs, errr
for each iteration in command line.

Error tolerance = 10^-5

Finally, the program should print the positive real roots for the equation.

Make a single program for both the equations.