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```
function mainf(x, k, stepsize)

    %This will act as a pseudo main file to run everything
    %The inputs are the initial conditions and the number of steps in
    %the newton's method. This will plot the sequence in successive steps.
    %Only works since we're in 2D

    % A correct input for this code is:
    %   mainf([3, 4], 20, 1)

    % x - initial conditions
    %   Should be a 1x2 array
    % k - number of steps
    %   Should be an integer > 1

    clc
    seq = newtonseq(x, k, stepsize);

    plotting(seq, stepsize);

end
```

*Published with MATLAB® R2023b*