Problem Set 1

1. Install `Julia` from `https://www.julialang.org`. `Julia` documentation can be found at `https://docs.julialang.org/en/v1/`.
2. Install an integrated development environment (IDE) or code editor (needed for later problem sets/projects). There are several free IDEs to choose from. However, the teaching team suggests:
    - `Visual Studio Code`. VSCode can be downloaded from `https://code.visualstudio.com`
3. Install the Julia language extension for VSCode. Checkout: `https://code.visualstudio.com/learn/get-started/extensions`
4. Start a `Julia` REPL session in VSCode in the VSCode terminal. Install the `Optim.jl`, `Convex.jl`, `GLPK.jl`, `CSV.jl`, `DataFrames.jl`, `Pluto.jl`, `PlutoUI.jl`, `Plots.jl` and `DifferentialEquations.jl` packages using the `Julia` package manager. Please follow the installation instructions for each package. Documentation on the `Julia` package manager can be found at: `https://docs.julialang.org/en/v1/stdlib/Pkg/#`
5. Start a `Julia` REPL session in VSCode in the VSCode terminal. Execute the `HelloWorld.jl` script available using the `include` command. Note: `HelloWorld.jl` and `Include.jl` need to be in the same directory. Submit a screen shot of the REPL session for credit for `PS1`.
6. Create a `GitHub` account at `https://github.com` (if you don't already have one).