For the first time running Julia let's make sure 1) we're in the right directory (AmbulanceDeployment.jl-legacy) 2) we can run all of the packages. To get the terminal to switch to package/ turn blue press "]".

Since I don't have Jump I need to add it like so: (make sure you are adding it to the ambulance deployment package).

```
(AmbulanceDeployment) pkg> add JuMP
  Resolving package versions...
No Changes to `C:\Users\Yoshua\Documents\AmbulanceDeployment-master\AmbulanceDeployment.jl-legacy\Project.toml`
No Changes to `C:\Users\Yoshua\Documents\AmbulanceDeployment-master\AmbulanceDeployment.jl-legacy\Manifest.toml`
Precompiling project...
? MathOptInterface
@ HDF5
@ JLD
@ Gurobi
@ CPLEX
? GLPK
? AmbulanceDeployment
157 dependencies successfully precompiled in 163 seconds (30 already precompiled)
3 dependencies failed but may be precompilable after restarting julia
4 dependencies errored. To see a full report either run `import Pkg; Pkg.precompile()` or load the packages
```

For the 4 dependencies that won't install I just had to manually add them.

```
julia> Pkg.add("HDF5")
  Resolving package versions...
    Updating `C:\Users\Yoshua\Documents\AmbulanceDeployment-master\AmbulanceDeployment.jl-legacy\Project.toml`
  [f67ccb44] + HDF5 v0.13.7
  No Changes to `C:\Users\Yoshua\Documents\AmbulanceDeployment-master\AmbulanceDeployment.jl-legacy\Manifest.toml`
Precompiling project...
    MathOptInterface
    GLPK
    AmbulanceDeployment
```

Now I can write:

```
julia> import JuMP
[ Info: Precompiling JuMP [4076af6c-e467-56ae-b986-b466b2749572]
```

You need to do this once for all new libraries. Here is a list of all of them:

```
import JuMP, Gurobi
import DataStructures: PriorityQueue, enqueue!, dequeue!
import DataFrames: DataFrame, nrow
import Distributions
import Pkg
import CSV, Query
using Gurobi, CSV, Query, JuMP, Dates, JLD, GLPK
using DataFrames, CSV, Random, Plots, JSON, Distributions
```

import JuMP, Gurobi
import DataStructures: PriorityQueue, enqueue!, dequeue!
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using DataFrames, CSV, Random, Plots, JSON, Distributions

Once you are all done you should be able to run Pkg.installed() and see: (Note your base Pkg and AmbulanceDeployment Pkg can have different libraries)

Running generate_simulations.jl once all of the packages have been installed.

running 45 ambuances & 1000 calls calling event id: 1 time: 38 value: 83

Ambulance has arrived on the scene for event 1 at time 338