CSCE 580: Artificial Intelligence
Homework 0
Due: 01/14/2021

Installing conda

We will be using the `conda` package management system.

This process will be easiest on a Linux or Mac system. Windows users can also accomplish this on a Windows system, or, alternatively, download an Ubuntu emulator from VirtualBox: `https://www.virtualbox.org/`.

To get started, download Anaconda from `https://docs.anaconda.com/anaconda/install/`.

After downloading the code repository, `cd` to the directory of the code.

A list of all the packages needed for the virtual environment is in spec-file.txt. Duplicate the virtual environment with:
`conda create --name <your_environment_name> --file spec-file.txt`

Keep in mind `<your_environment_name>` is meant to be replaced with a name of your choosing. For example `conda create --name ai --file spec-file.txt`.

Then, activate your environment
`conda activate <your_environment_name>`

When you are finished using the environment you can deactivate it with:
`conda deactivate`

You can always activate it again with
`conda activate <your_environment_name>`

Running the Code

Run your code with the command `python run_assignment_0.py --map maps/map1.txt`.
You should see the image shown in Figure 1.

Familiarizing Yourself with Python

Students are expected to be proficient programmers. If you do not already know Python, you will be expected to learn it independently and rapidly.

You can familiarize yourself with the basics here: `https://www.tutorialspoint.com/python/python_classes_objects.htm`. Everything up until, and including, "Classes/Objects" will be relevant for the class.

What to Turn In

While there is nothing to turn in for this assignment, it is important that you complete this by the next class so you do not fall behind.
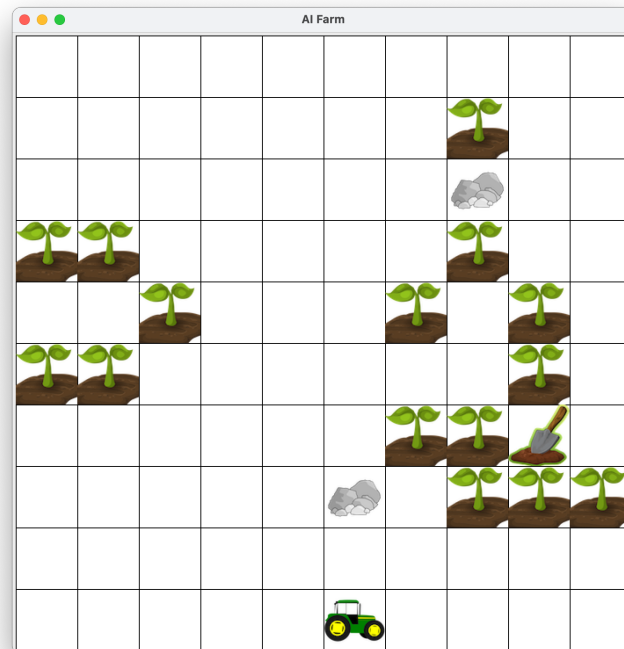

Figure 1: The window that you should see after running the code.