CS 4300: Artificial Intelligence

Assignment: Clone Repositories

Description

For the programming assignments, you will need to clone two git repositories. One contains the development header files, libraries, and executables you will need to create your agent programs and run virtual environments. The other contains the starter source code and build environment to build your agents.

Requirements

- Make sure you have an ssh key pair in your development environment. (~/ssh/id_rsa, ~/ssh/id_rsa.pub). If not, run ssh-keygen to create them.
- Sign into the CIT Gitlab server with your CIT account under the LDAP tab.
- Add your public key to your gitlab account. (Profile Settings -> SSH Keys -> Add SSH Key; paste the contents of id_rsa.pub)
- Email the instructor that you have logged into gitlab, and provide your cit account name.
- Wait for the instructor to add you to the two repositories. You should receive email notification via your dmail account.
- Clone the ai and ai-agents repositories into your development environment previously created. These repositories should reside side-by-side in the same directory.

```bash
mkdir aicode
cd aicode
git clone git@gitlab.cs.dixie.edu:larsen/ai.git
git clone git@gitlab.cs.dixie.edu:larsen/ai-agents.git
```

- Build the default agents code.

```bash
cd ai-agents/build/linux
make configure
make
```

You may have to run make a couple of times. Read the output to be sure there are no errors. Report errors to the instructor.

- Run the TicTacToe environment to verify build.

```bash
cd ai/bin/00bin-o
./RUN_TicTacToe
```

If everything works, you should watch a pair of agents play two games of tic-tac-toe. It will flash by rather quickly. The results of the games are stored in server.log.

Passoff

- Send an email to the instructor attaching the server.log file. State who won the games.