

Reinforcement Learning - HW2

This is the submission towards HW2 of EECS 598 Section 07. This file contains the instructions to reproduce the results obtained by me.

Setting up the working directory

Folder structure

Download and unzip the frozen_lakes.tar.gz file from and unzip it using the command:

```
tar -xzf frozen_lakes.tar.gz
```

Download and unzip the submission file abhven.zip in the same directory as frozen lakes folder. You have the following directory structure:

```
program directory
|--hw2.py
|--hw2_tests.py
|--requirements.txt
|--frozen_lakes
    |--__init__.py
    |--lakes_envs.py
```

Setting up dependencies

For this assignment, the libraries required are

```
numpy
matplotlib
gym
```

To install the dependencies run the command:

```
pip install -r requirements.txt
```

Execution of code

All the commands need to be executed in the program directory

For part 1, use the command

```
python hw2_tests.py 1
```

For part 2, use the command

```
python hw2_tests.py 2
```

For part 3, use the command

```
python hw2_tests.py 3
```

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