6ELEN018W - Tutorial 10 Exercises

YOU SHOULD NOT ATTEMPT THESE EXERCISES UNTIL YOU FINISH THE TUTORIAL 9 EXERCISES!

Exercise 1

Install the gymnasium environment in your computer (if you are using a lab computer, do this within the Anaconda environment)

Exercise 2

Implement the lunar lander code given in the lecture which uses the random policy.

Exercise 3

Implement the code for the taxi driver problem given in the lecture which follows a random policy.

Exercise 4

Can you improve the performance of the random policy by using simple logical operations. E.g. if a condition is met, then take a specific action.

Hint: For example, choose the pick up action when passing through the location of the passenger. What about moving towards the passenger, can you think of a simple way of doing so?