## Exercise 2B Optimistic Greedy

## Exercise 2.2B: Optimistic Greedy

In this exercise, you will implement the optimistic greedy policy.

Make sure that you have:

1. Completed the setup requirements as described in the Set Up Lab Environments section
2. Completed the previous exercises in this lab

Now, run jupyter notebook and open the “Ex2.2B Optimistic Greedy.ipynb” notebook under Module 2 folder.

1. Examine the notebook.
2. Your task is to implement an optimistic greedy policy: that is initialize the *r*^*a* to a large initial value *R* , which is implemented in the init() function, and then play the greedy algorithm.
3. We have given you some boiler plate code, you only need to modify the part as indicated.
4. Once you have done that, prepare a simulation. Don't change any other parameter, that is:
   * evaluation\_seed = 5016
   * num\_actions = 10
   * trials = 10000
   * distribution = “bernoulli”
5. Set the *R* to zero.
6. Run the simulation, observe the results, and answer the following questions.