**Question 1**: Train a CartPole Agent

Dataset Problem: Use the OpenAI Gym's CartPole-v1 environment to train an agent using a simple reinforcement learning algorithm. Assume hyperparameters, as per requirement and develop the model. Try to apply the concepts discussed in class

**Question 2:** Mountain Car with Q-Learning

Dataset Problem: Use OpenAI Gym's MountainCar-v0 environment to train a Q-learning agent.

Similar to the CartPole example, but with the Mountain Car environment. The Q-learning code will be similar, with adjustments to the state and action space to fit the Mountain Car environment.