## Task1

1. According to group, work to finish hyper-parameter tuning for two distinct environment

Group:

‘CartPole-v1’: Mengxuan & Yuran

‘Acrobot-v1’: Jiayu & Kaiming

1. Record the best result. It is important to note that the current code for demonstrating result is for mountain-car. You are fully encouraged to search for the document of your task environment and modify the code accordingly. Result should be strongly environment-related, best if you can save the gif!

Package Website: <https://gymnasium.farama.org/index.html>

1. DDL is this weekend, better if you can work together and finish it before Friday, it’s not a very difficult task so don’t afraid to do it, fully encouraged to use AI for coding.

GIT Repo: https://github.com/Dcyaprogrammer/SURF-2025