For all following problems, unless otherwise noted, file names refer to classical domains from the classical planning domains repository of http://planning.domains available here: https://bitbucket.org/planning-researchers/classical-domains/src/master/classical/

1. **Elevator Domain:** Open the domain file `elevators-00-strips/domain.pddl` and briefly explain what each operator does. Then open `elevators-00-strips/s2-4.pddl` and find a plan that solves that problem.

2. **Elevator Domain Extension:** How would you have to change `elevators-00-strips/domain.pddl` to allow multiple elevators to serve customers?

3. **Elevator Domain with ADL:** Open `elevators-00-adl/domain.pddl` and explain the `stop` operator in detail. Note especially the differences with the strips-version of the domain.

4. **Airport Domain:** Open the domain file `airport-adl/domain.pddl` and briefly explain what each operator does (consult `p01-airport1-p1.pddl` for possible objects, and goals)

5. **Airport Domain:** Compare `airport-adl/p02-airport1-p1.pddl` and `airport-adl/p03-airport1-p2.pddl`. My planner can solve the former in a bit over 2s, while it needs over 23s for the latter. Explain what makes the second problem that much harder to solve.

6. **Domain Engineering:** Let's assume you can load and unload packages into airplanes. Write the PDDL operators that would need to be added to `airport-adl/domain.pddl` to model these actions, and explain which additional predicates and types you need.