

## To Do List Kata

- Add a new task. It should have a description and a due by date.
- Remove a task by its description.
- Remove all tasks for a given due by date.
- Ensure that no two tasks can have the same description (raise an exception).
- Find tasks for a given due by date.
- Find a task by its description.
- Order tasks by description.
- Order tasks by due by date.
- Order tasks by due by date and then by description.
- Find all tasks that are due in a given date range.
- Find all tasks by description with a given regex.
- Print the list.
- Randomly select a task from the list.
- Allow tasks to be marked as complete.
- Find all complete tasks.
- Find all incomplete tasks.
- Retrieve the first n number of tasks based on the current sort order.
- Retrieve the last n number of tasks based on the current sort order.
- Count the number of complete tasks.
- Count the number of incomplete tasks.
- Count the number of tasks.
- Populate an existing To Do list using the contents of a directory, where:
  - the name of files found in the directory indicate the due by date
  - the file contains multiple lines, each of which is the description of a task.