Functional Programming in JS. Home Task

1. Implement the function, to work on tasks array to get the result as:

"Total duration of 'Watch a movie' is 2 hours.

Total duration of 'Work out' is 3 hours.

Total duration of 'Prepare presentation' is 2 hours.

Total duration of 'Fill time journal' is 03. hours."

Only "private" and "work" tasks should be considered. Try to avoid side effects, like variables for intermediate results.

```
const tasks = [
  { name: "Prepare presentation", duration: 120, type: "work" },
  { name: "Work out", duration: 60, type: "private" },
  { name: "Fill time journal", duration: 10, type: "work" },
  { name: "Plan year 2018", duration: 180, type: "common" },
  { name: "Work out", duration: 60, type: "private" },
  { name: "Watch a movie", duration: 120, type: "private" },
  { name: "Work out", duration: 60, type: "private" },
  { name: "Fill time journal", duration: 10, type: "work" }
];
```

2. Rewrite task #1 using ramdajs. Try to utilize library methods as more as you can, like Either, ifElse etc.

3. Train yourself to write code in more functional style. Try to find 3-5 places in your project codebase, where logic looks too complex to maintain, contains loops with side effects etc. and perform improvement/refactoring to make it more clear.

Identity parts where you can extract logic into pure, composable functions. As a result, reduce the number of side effects, make it more applicable for testing and reuse. If you can't actually commit your changes, just share ideas and your vision with your mentor and discuss.

Evaluation criteria

0 – Nothing is done

1 – Task 1 is implemented with issues

2 - Task 1 is fully implemented

3 – Task 1 is implemented, task 2 is partially implemented

4 – Tasks 1-2 are fully implemented

5 – All tasks 1-3 are fully implemented