Data Structures Lab Course (start of summer 2023)
Weekly report 6

Learnings and tasks for week 6:

- Second peer review done, submitted to GitHub.
- Implementation with Dijkstra completed, operation of the program functions well. Removed Dijkstra algorithm operation into a separate class. Heap data structure was used to maintain the priority queue. Unit testing were implemented for Dijkstra based program, tests folder submitted to GitHub.
- As soon as I wrote a function to the files, I created unit tests that can verify the behavior of the codes. Target is to cover different scenarios, incl. edge cases, normal cases, and so on. All test files saved in tests folder.
- Implementation with IDA* algorithm completed, operation of the program functions well.
- Comprehensive unit testings and test coverage report done, test files and testing document submitted to GitHub.
- Implementation & Instructions documents updated.
- Compare.py created to compare 2 algorithms. Next week continue comparision.

Working hours:

Date	Hour	Content
20.6.2023	2	improve/adjust Dijkstra implementing
21.6.2023	2	Implementation with Dijkstra displays results., program work well.
22.6.2023	1	Implementation with Dijkstra on heap.
24.6.2023	7	unit test for Dijkstra implementing. IDA* algorithm can work and display results.
24.6.2023	2	Compare.py
25.6.2023	3	2nd peer review
25.6.2024	0,5	draft weekly report 6
Total	17,5	