

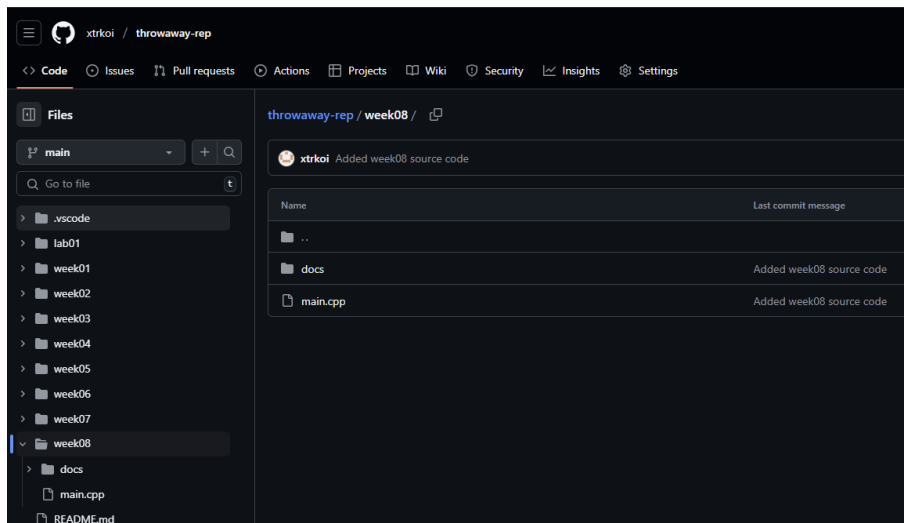
Weekly Homework Report #8

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1 Introduction

The source code is available on [Github](#).



2 Graph Representation

2.1 Adjacency Matrix

2.2 Adjacency List

3 Types of Graph

3.1 Undirected Graph and Directed Graph

3.2 Weighted Graph

3.3 Bipartite Graph

3.4 Complete Graph

4 Euler Path and Cycle

5 Spanning Tree

6 Shortest Path in Directed Graph

6.1 Dijkstra's Algorithm

6.2 Bellman-Ford Algorithm

7 Conclusion