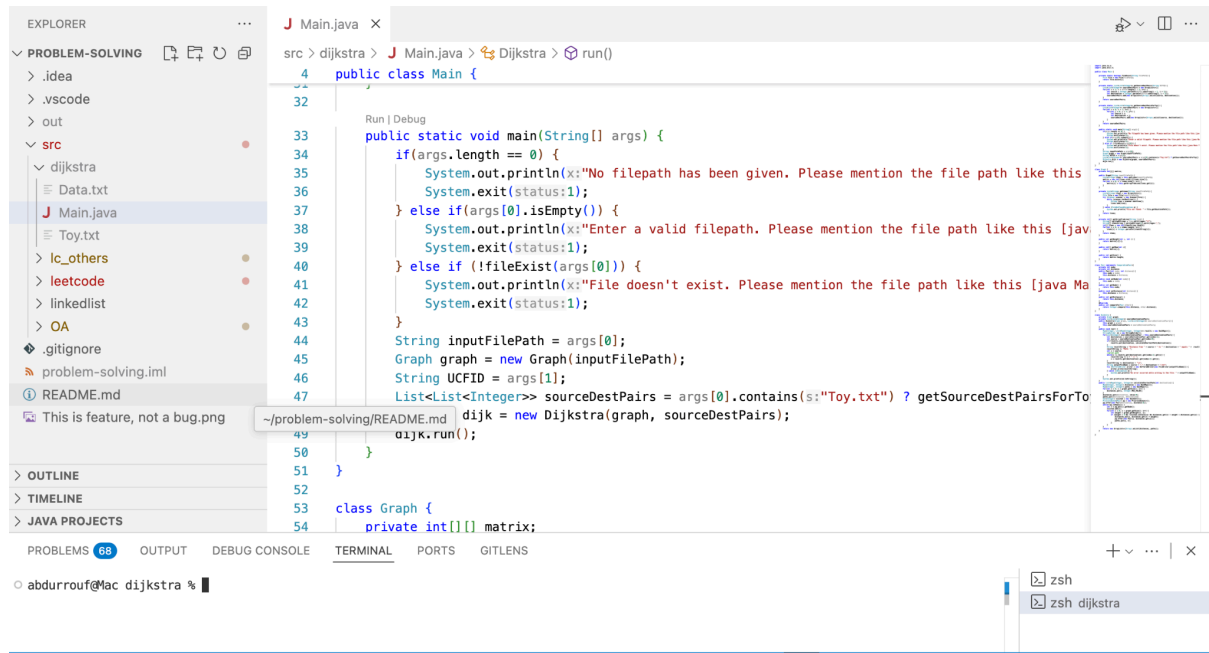
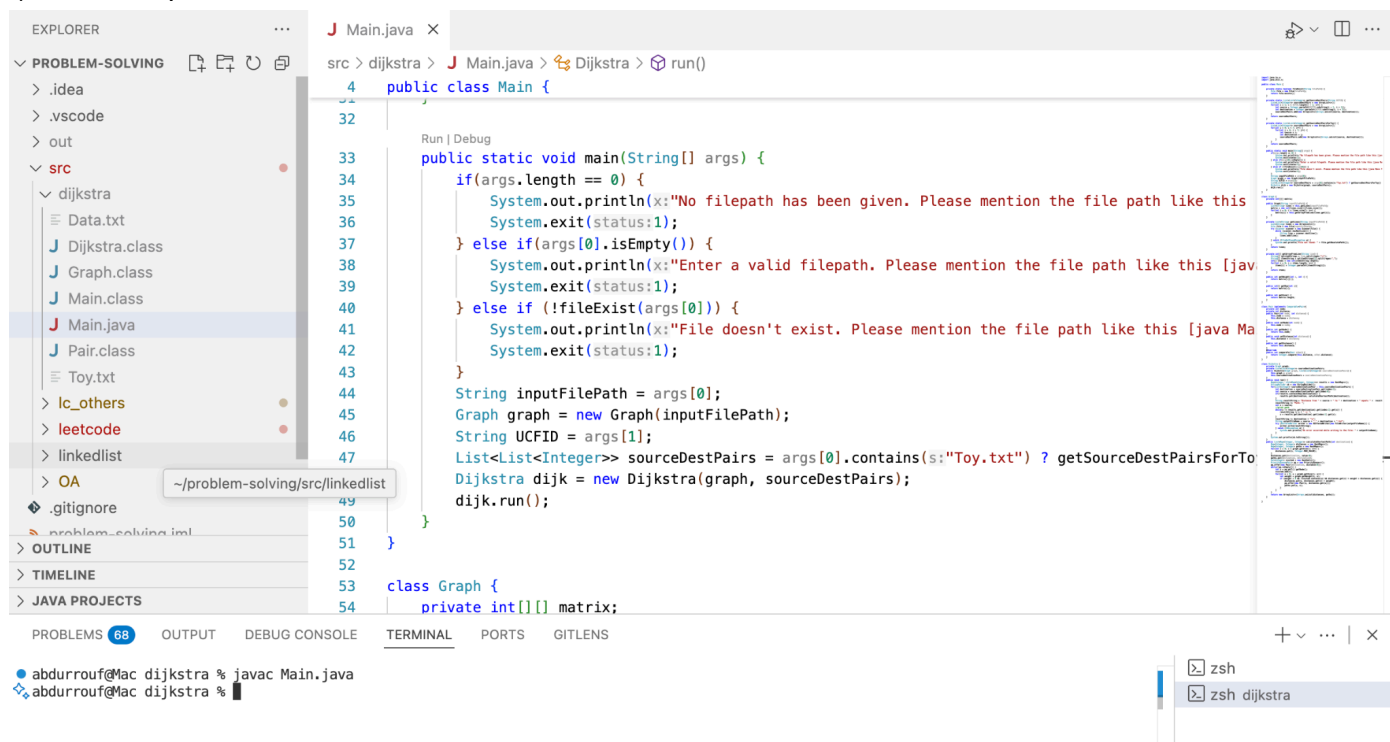


i) Before Compilation.



```
src > dijkstra > J Main.java > Dijkstra > run()
4 public class Main {
32
33 public static void main(String[] args) {
34     if(args.length == 0) {
35         System.out.println(x:"No filepath has been given. Please mention the file path like this
36         System.exit(status:1);
37     } else if(args[0].isEmpty()) {
38         System.out.println(x:"Enter a valid filepath. Please mention the file path like this [jav
39         System.exit(status:1);
40     } else if (!fileExist(args[0])) {
41         System.out.println(x:"File doesn't exist. Please mention the file path like this [java Ma
42         System.exit(status:1);
43     }
44     String inputFilePath = args[0];
45     Graph graph = new Graph(inputFilePath);
46     String UCFID = args[1];
47     List<List<Integer>> sourceDestPairs = args[0].contains(s:"Toy.txt") ? getSourceDestPairsForTo
48     dijk = new Dijkstra(graph, sourceDestPairs);
49     dijk.run();
50 }
51 }
52
53 class Graph {
54     private int[][] matrix;
```

ii) After Compilation.



```
src > dijkstra > J Main.java > Dijkstra > run()
4 public class Main {
32
33 public static void main(String[] args) {
34     if(args.length == 0) {
35         System.out.println(x:"No filepath has been given. Please mention the file path like this
36         System.exit(status:1);
37     } else if(args[0].isEmpty()) {
38         System.out.println(x:"Enter a valid filepath. Please mention the file path like this [jav
39         System.exit(status:1);
40     } else if (!fileExist(args[0])) {
41         System.out.println(x:"File doesn't exist. Please mention the file path like this [java Ma
42         System.exit(status:1);
43     }
44     String inputFilePath = args[0];
45     Graph graph = new Graph(inputFilePath);
46     String UCFID = args[1];
47     List<List<Integer>> sourceDestPairs = args[0].contains(s:"Toy.txt") ? getSourceDestPairsForTo
48     Dijkstra dijk = new Dijkstra(graph, sourceDestPairs);
49     dijk.run();
50 }
51 }
52
53 class Graph {
54     private int[][] matrix;
```

After running with Data.txt and my UCFID: 5474827

EXPLORER

PROBLEM-SOLVING

> .idea

> .vscode

> out

src

dijkstra

47_74.txt

48_82.txt

54_47.txt

74_48.txt

82_27.txt

Data.txt

Dijkstra.class

Graph.class

Main.class

Main.java

Pair.class

OUTLINE

TIMELINE

JAVA PROJECTS

Main.java

47_74.txt

src > dijkstra > 47_74.txt

1

Distance from 47 to 74 equals 16 unit(s)

2

Path: 47 -> 98 -> 9 -> 80 -> 19 -> 83 -> 55 -> 67 -> 74

3

~/problem-solving/src/dijkstra/Dijkstra.class

PROBLEMS 68 OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS

abdurrouf@Mac dijkstra % java Main Data.txt 5474827

abdurrouf@Mac dijkstra %

zsh

zsh dijkstra