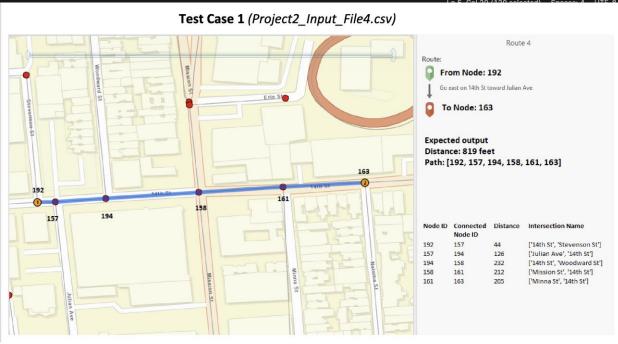
Testcases

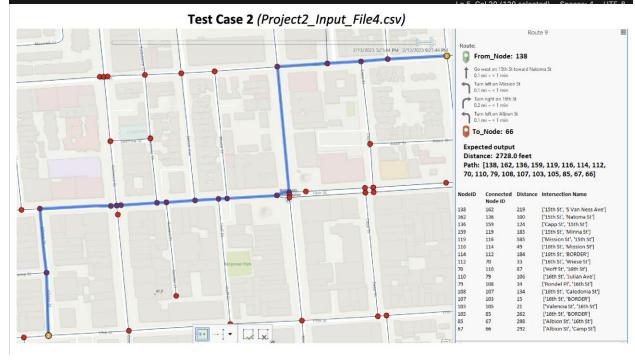




Dijkstra's Using 2D Testcase 2:

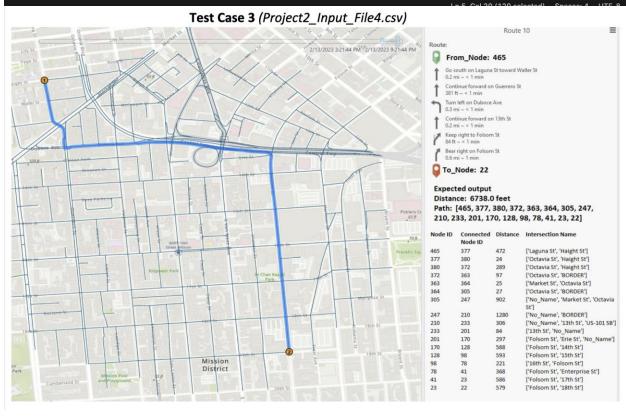
```
Enter the source vertex:
138
Enter the destination vertex:
Enter the description vertex.

66
Path is: [138, 162, 136, 159, 119, 116, 114, 112, 70, 110, 79, 108, 107, 103, 105, 85, 67, 66]
Shortest distance from 138 to 66 is 2728
elapsedTime:10549162958
Memory used: 7300240 bytes
shusritavenugopal@Shusritas-MacBook-Air assignments %
```

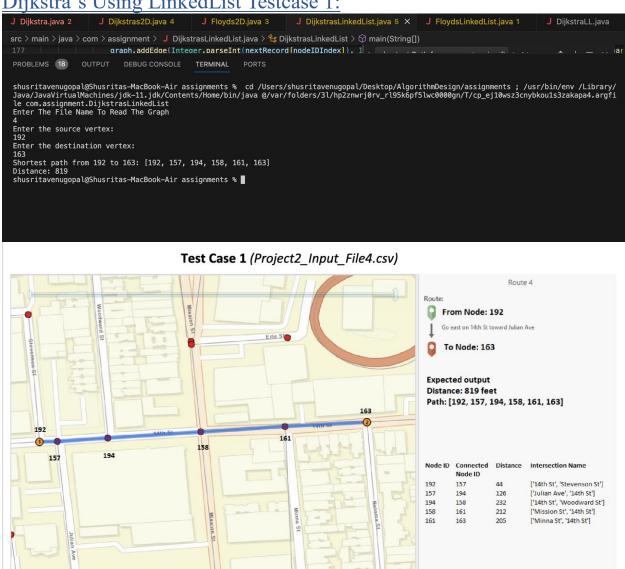


Dijkstra's Using 2D Testcase 3:

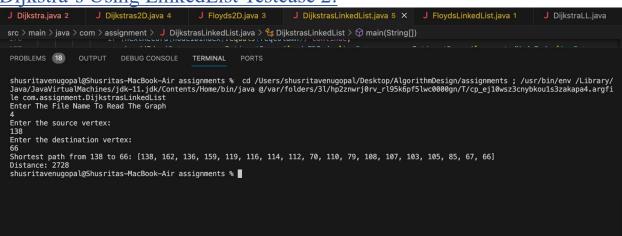
```
shusritavenugopal@Shusritas-MacBook-Air assignments % cd /Users/shusritavenugopal/Desktop/AlgorithmDesign/assignments; /usr/bin/env /Library/
Java/JavaVirtualWachines/jdk-11.jdk/Contents/Home/bin/java @/var/folders/3l/hp2znwrj@rv_rl95k6pf5lwc0000gn/T/cp_ej10wsz3cnybkou1s3zakapa4.argfi
le com.assignment.Dijkstras2D
Enter The File Name To Read The Graph
4
Enter the source vertex:
465
Enter the destination vertex:
22
Path is: [465, 377, 380, 372, 363, 364, 305, 247, 210, 233, 201, 170, 128, 98, 78, 41, 23, 22]
Shortest distance from 465 to 22 is 6738
elapsedTime:11929688542
Memory used: 7300208 bytes
shusritavenugopal@Shusritas-MacBook-Air assignments %
```

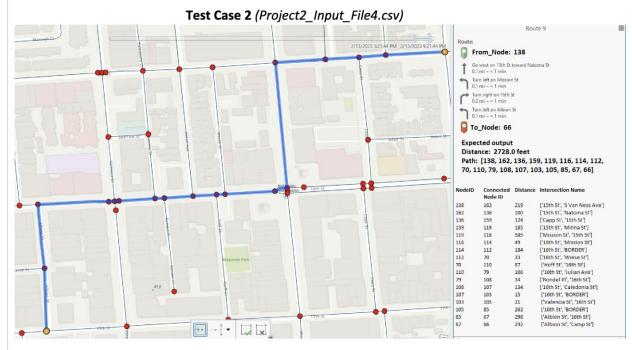


Dijkstra's Using LinkedList Testcase 1:

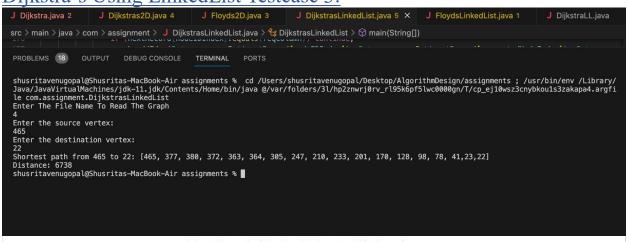


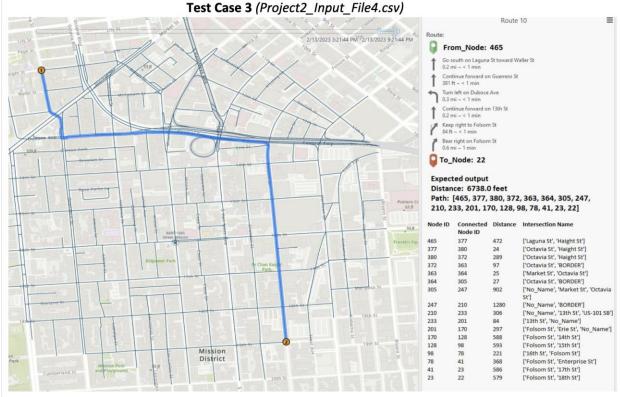
Dijkstra's Using LinkedList Testcase 2:



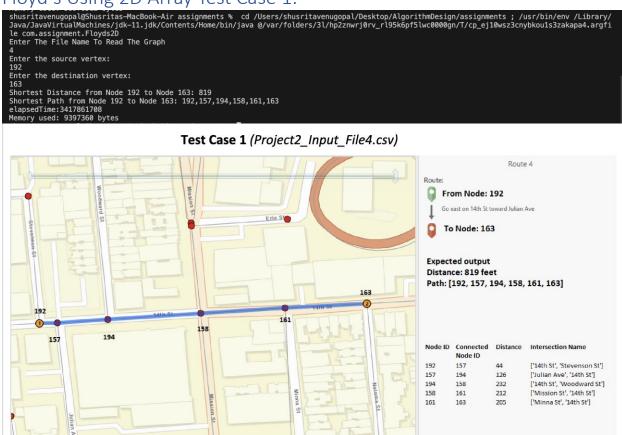


Dijkstra's Using LinkedList Testcase 3:



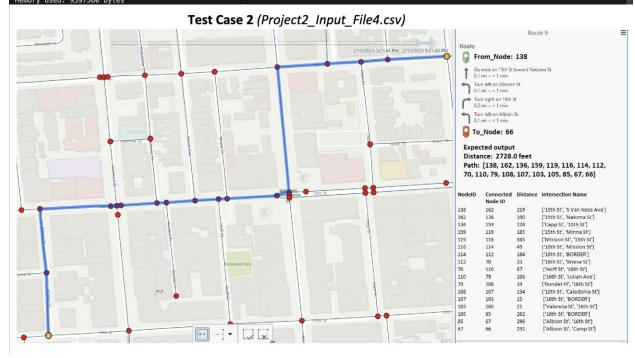


Floyd's Using 2D Array Test Case 1:



Floyd's Using 2D Array Test Case 2:

```
shusritavenugopal@Shusritas-MacBook-Air assignments % cd /Users/shusritavenugopal/Desktop/AlgorithmDesign/assignments; /usr/bin/env /Library/
Java/JavaVirtualMachines/jdk-11.jdk/Contents/Home/bin/java @/var/folders/3l/hp2znwrj@rv_rl95k6pf5lwc0000gn/T/cp_ej10wsz3cnybkou1s3zakapa4.argfi
le com.assignment.Floyds2D
Enter The File Name To Read The Graph
  4
Enter the source vertex:
138
Enter the destination vertex:
Enter the destination of the des
```



Floyd's Using 2D Array Test Case 3:

```
4
Enter the source vertex:
465
Enter the destination vertex:
22
Shortest Distance from Node 465 to Node 22: 6738
Shortest Path from Node 465 to Node 22: 465,377,380,372,363,364,305,247,210,233,201,170,128,98,78,41,23,22
elapsedTime:18742792583
Memory used: 9397360 bytes
```



Floyd's Using LinkedList Test Case 1:

shusritavenugopal@Shusritas-MacBook-Air assignments % cd /Users/shusritavenugopal/Desktop/AlgorithmDesign/assignments; /usr/bin/env /Library/ Java/JavaVirtualMachines/jdk-11.jdk/Contents/Home/bin/java @/var/folders/3l/hp2znwrj0rv_rl95k6pf5lwc0000gn/T/cp_ej10wsz3cnybkou1s3zakapa4.argfi le com.assignment.FloydsLinkedList Enter The File Name To Read The Graph Enter the source vertex: Inter the destination vertex:
163
Shortest Distance from Vertex 192 to Vertex 163: 819
Shortest Path: Vertex 192 -> Vertex 157 -> Vertex 194 -> Vertex 158 -> Vertex 161 -> Vertex 163
elapsedTime:18607648750
Memory used: 8350584 bytes Test Case 1 (Project2_Input_File4.csv) Route 4 Route: From Node: 192 Go east on 14th St toward Julian Ave Erie St To Node: 163 **Expected output** Distance: 819 feet Path: [192, 157, 194, 158, 161, 163] 163 158 194 157 Node ID Connected Distance Intersection Name Node ID 157 ['14th St', 'Stevenson St'] ['Julian Ave', '14th St'] ['14th St', 'Woodward St'] ['Mission St', '14th St'] ['Minna St', '14th St'] 157 194 126 194 158 232 212 205 158 161 161

Floyd's Using LinkedList Test Case 2:

Shusritavenugopal@Shusritas=MacBook-Air assignments % cd /Users/shusritavenugopal/Desktop/AlgorithmDesign/assignments; /usr/bin/env /Library/
Java/JavaVirtualMachines/jdk-11.jdk/Contents/Home/bin/java @/var/folders/3l/hp2znwrj@rv_rl95k6pf5lwc0000gn/T/cp_ej10wsz3cnybkou1s3zakapa4.argfi
le com.assignment.FloydsLinkedList
Enter The File Name To Read The Graph
4
Enter the source vertex:
138
Enter the destination vertex:
66
Shortest Distance from Vertex 138 to Vertex 66: 2728
Shortest Distance from Vertex 138 > Vertex 162 -> Vertex 136 -> Vertex 159 -> Vertex 119 -> Vertex 116 -> Vertex 114 -> Vertex 112 -> Vertex 70 -> Ver
tex 110 -> Vertex 79 -> Vertex 108 -> Vertex 103 -> Vertex 105 -> Vertex 85 -> Vertex 67 -> Vertex 66
elapsedTime:6997580584
Memory used: 8349920 bytes



Floyd's Using LinkedList Test Case 3:

shusritavenugopal@Shusritas-MacBook-Air assignments % cd /Users/shusritavenugopal/Desktop/AlgorithmDesign/assignments; /usr/bin/env /Library/
Java/JavaVirtualMachines/jdk-11.jdk/Contents/Home/bin/java @/var/folders/3l/hp2znwrj@rv_rl95k6pf5lwc0000gn/T/cp_ej1@wsz3cnybkou1s3zakapa4.argfi
le com.assignment.FloydsLinkedList
Enter The File Name To Read The Graph
4
Enter the source vertex:
465
Enter the destination vertex:
22
Shortest Distance from Vertex 465 to Vertex 22: 6738
Shortest Path: Vertex 465 -> Vertex 377 -> Vertex 380 -> Vertex 372 -> Vertex 363 -> Vertex 364 -> Vertex 305 -> Vertex 247 -> Vertex 210 -> Ve
rtex 233 -> Vertex 201 -> Vertex 210 -> Vertex 220 elapsedTime:14172969334
Memory used: 8350584 bytes

