

LAB 04

EC 5080 – SOFTWARE CONSTRUCTION

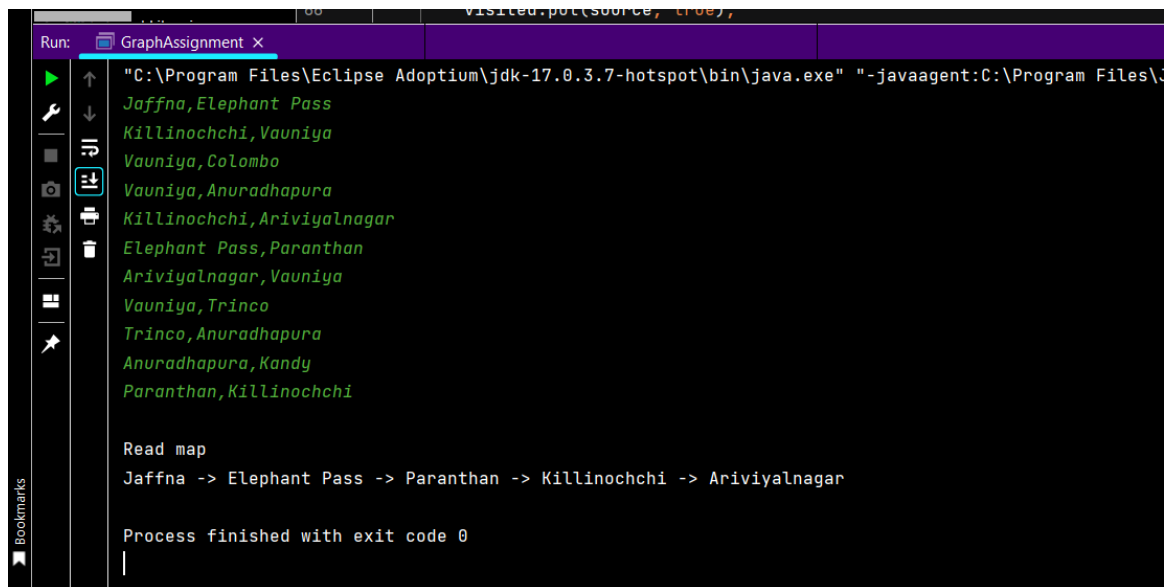
WIJAYAWARDHANA W.A.H.A.

2019/E/166

SEMESTER 05

06 OCTOBER 2022

01.



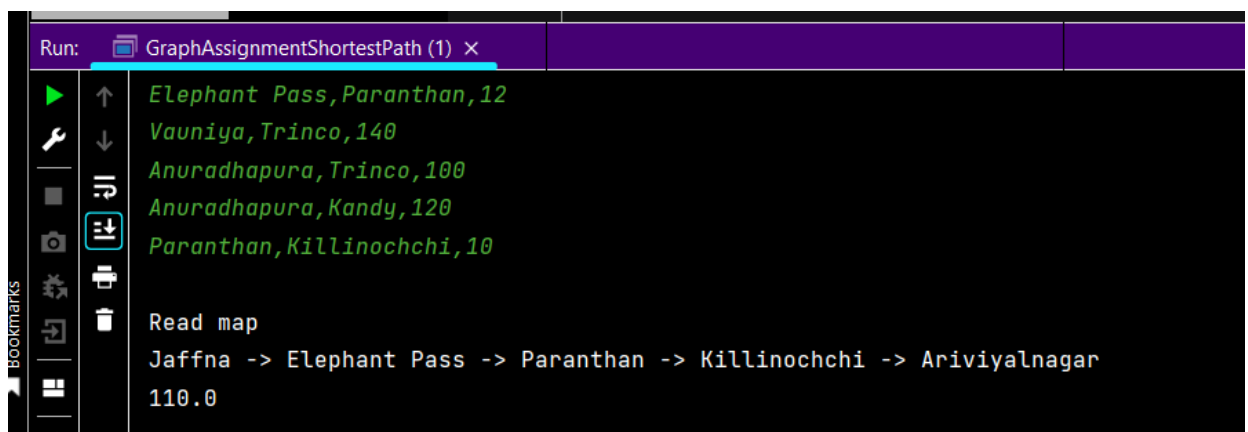
The screenshot shows the Eclipse IDE's Run console for a project named 'GraphAssignment X'. The console output lists a series of locations: Jaffna, Elephant Pass, Killinochchi, Vauniya, Vauniya, Colombo, Vauniya, Anuradhapura, Killinochchi, Ariviyalnagar, Elephant Pass, Paranthan, Ariviyalnagar, Vauniya, Vauniya, Trinco, Trinco, Anuradhapura, Anuradhapura, Kandy, and Paranthan, Killinochchi. Below this list, it says 'Read map' and shows a path: 'Jaffna -> Elephant Pass -> Paranthan -> Killinochchi -> Ariviyalnagar'. The process finished with exit code 0.

```
Run: GraphAssignment X
"C:\Program Files\Eclipse Adoptium\jdk-17.0.3-hotspot\bin\java.exe" "-javaagent:C:\Program Files\
Jaffna, Elephant Pass
Killinochchi, Vauniya
Vauniya, Colombo
Vauniya, Anuradhapura
Killinochchi, Ariviyalnagar
Elephant Pass, Paranthan
Ariviyalnagar, Vauniya
Vauniya, Trinco
Trinco, Anuradhapura
Anuradhapura, Kandy
Paranthan, Killinochchi

Read map
Jaffna -> Elephant Pass -> Paranthan -> Killinochchi -> Ariviyalnagar

Process finished with exit code 0
```

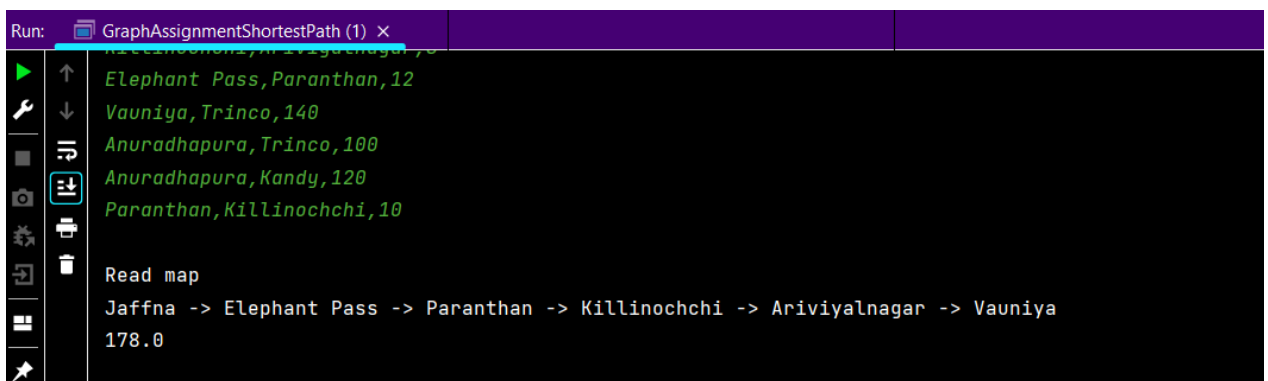
02.



The screenshot shows the Eclipse IDE's Run console for a project named 'GraphAssignmentShortestPath (1) X'. The console output lists a series of locations with associated values: Elephant Pass, Paranthan, 12; Vauniya, Trinco, 140; Anuradhapura, Trinco, 100; Anuradhapura, Kandy, 120; and Paranthan, Killinochchi, 10. Below this list, it says 'Read map' and shows a path: 'Jaffna -> Elephant Pass -> Paranthan -> Killinochchi -> Ariviyalnagar'. The final output is 110.0.

```
Run: GraphAssignmentShortestPath (1) X
Elephant Pass, Paranthan, 12
Vauniya, Trinco, 140
Anuradhapura, Trinco, 100
Anuradhapura, Kandy, 120
Paranthan, Killinochchi, 10

Read map
Jaffna -> Elephant Pass -> Paranthan -> Killinochchi -> Ariviyalnagar
110.0
```



The screenshot shows the Eclipse IDE's Run console for a project named 'GraphAssignmentShortestPath (1) X'. The console output lists a series of locations with associated values: Elephant Pass, Paranthan, 12; Vauniya, Trinco, 140; Anuradhapura, Trinco, 100; Anuradhapura, Kandy, 120; and Paranthan, Killinochchi, 10. Below this list, it says 'Read map' and shows a path: 'Jaffna -> Elephant Pass -> Paranthan -> Killinochchi -> Ariviyalnagar -> Vauniya'. The final output is 178.0.

```
Run: GraphAssignmentShortestPath (1) X
Elephant Pass, Paranthan, 12
Vauniya, Trinco, 140
Anuradhapura, Trinco, 100
Anuradhapura, Kandy, 120
Paranthan, Killinochchi, 10

Read map
Jaffna -> Elephant Pass -> Paranthan -> Killinochchi -> Ariviyalnagar -> Vauniya
178.0
```

```
Run: GraphAssignmentShortestPath (1) X
Anuradhapura, 8000000, 200
Killinochchi, Ariviyalnagar, 8
Elephant Pass, Paranthan, 12
Vauniya, Trinco, 140
Anuradhapura, Kandy, 120
Paranthan, Killinochchi, 10

Read map
Jaffna -> Elephant Pass -> Paranthan -> Killinochchi -> Ariviyalnagar -> Vauniya -> Trinco
318.0

Process finished with exit code 0
```