

Task1:

Output of the code is:

```
DFS: A B C D F E
BFS A B D E C F
-----
Process exited after 0.03917 seconds with return value 1
Press any key to continue . . .
```

DFS and BFS were correctly implemented for task1 and correct output was obtained as shown in the screenshot

Task2

The output of this task is:

```
A B C G E D F
The length of the shortest path between A and A is 0
The length of the shortest path between A and B is 1
The length of the shortest path between A and C is 2
The length of the shortest path between A and D is 7
The length of the shortest path between A and E is 5
The length of the shortest path between A and F is 7
The length of the shortest path between A and G is 3
-----
Process exited after 0.06174 seconds with return value 1
Press any key to continue . . .
```

The output obtained perfectly matches with the Sample Output and Dijkstra Algorithm works efficiently along with all the functions.

TASK 4

```
Loaded 4806 vertices
Loaded 6179 edges
Please enter stating bus stop > 2
Please enter destination bus stop > 4
2 Parnell Square
4726 Parnell Square
7555 Mountjoy Square
4962 Mountjoy Square
4 Parnell Square
```

File was loaded successfully and Dijkstra was applied. The csv file was parsed and correct output was obtained.

The output obtained was compiling on the local machine but not on submittity