

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 . . .
```

From the output, it can clearly be seen that the code works perfectly and BFS DFS are correctly implemented

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
```

All the vertices are correctly sorted by using Dijkstra Algorithm and the Sample output is matched.

Task3

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

