Asgn 5 Demo Specs

WHAT TO RUN (IN THE FOLLOWING ORDER):

1. Delete the Log file
2. Run the DrivingApp program TWICE
   (or have a separate AutoTester program run the DrivingApp twice):
   - the first time specifying Europe as the fileNamePrefix
   - the second time specifying Other as the fileNamePrefix
3. Print out the Log file using Notepad (or. . .)
   [NOTE: There is a SINGLE Log file for both runs of DrivingApp TOGETHER]

WHAT TO HAND IN: (all in the order specified below)

1) Cover sheet

2) Printout (from Notepad or. . .) of the Log file
   - *Use landscape & a smaller font size to save paper.*

3) Printout of the program code: *(there are at least 4 physically separate files)*
   DrivingApp program
   MapData class
   ShortestPath class
   UI class
   any other code files used in your program

WHAT TO CIRCLE in the CODE:

- The private storage for the adjacency lists' headPtr array inside MapData class
- The 3 private methods (their names in their headers) for
  Initialize, Search & ReportAnswer inside ShortestPath class
- The 3 public service methods (their names in their headers) for
  GetCityName, GetCityNumber, GetDistance inside MapData class

SOME THINGS TO TO CHECK: *(since the grader will)*

- The program uses Adjacency Lists *(NOT Adjacency Matrix)* for the graph (edge) implementation
- Both sets of results (from Europe… and Other…) are captured in a single Log file
- Europe is an Undirected graph, Other is a Directed graph
- The program prints out both the ROUTE and the DISTANCE
- The ROUTE answers:
  - print from START to DESTINATION *(NOT destination to start, just because it's slightly easier)*
  - include the START city
  - specify city NAMES *(NOT city numbers)*
  - are **CORRECT** (or, appear to be REASONABLE answers based on looking at the map)
- The program prints out the **TRACE OF TARGETS**
  - in the **ORDER THAT THEY'RE SELECTED** *(NOT after the search is completed with the code just using the Included array, which would print cities in alphabetical order rather than the required TARGET-SELECTION order)*
  - including the START city *(even though it's technically NOT selected as a target inside the big loop)*