COMP2611/COMP2000 - Data Structures Somester 3, 2017-2018

ironh

Dary 11,55 p.m., July 7th, 2011

Write a program to do the following:

OMP2611_COMP2000_S3_2017_2018_Assignment3[...

- (a) Road a description of a graph and create its adjacency list representation. The information at each node consists of a string no longer than 16 characters. Data for the program will be supplied as follows:
- The names of the nodes, each name is a one-word string consisting of latters audior
 digits, for example, London. This portion of the data is terminated by the 'name'
 END. The number of nodes is unknown beforehand. The nodes are to be kept in a
 harmonic of the condition.
- The description of the colors of the gapes. The colors can surprise from a node are precised by the reason of the conde, followed by a region of a loss from the followed by region of the followed by the precise of subsection of a state state of long loss in such profit from the of grant point of an annual transition of the state state of the child. The number of slogs is not such such that the child. The number of slogs is not such as the thirty was by form a such court for the child. The number of slogs is not the number of the solds are left to state of the child of t

Output the graph, listing the nodes in olphabetical order. Each node is followed by

- (b) Read the names of two nodes and give the depth-first and breadth-first traversals of
- (c) Road the menes of several nodes (one per line) and, for each node, find the minimal cost parks to all the other nodes. Data is terminated by END. Use a four structure to maintain the priority queue. Output the path and the minimal cost to each node. Use 9999 to represent an infinite cost.

N.B

All output must be sent to the file output.bit

Submission Detail

Submit one C or C++ file labeled with your ID number.
 Include your full name, in comments, at the top of your program.
 Insall your submission to smookful? Nigmail.com.











