

PRACTICAL 6 – Graph

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Diploma of Information Technology, Curtin College

DSA1002: Data Structures and Algorithms

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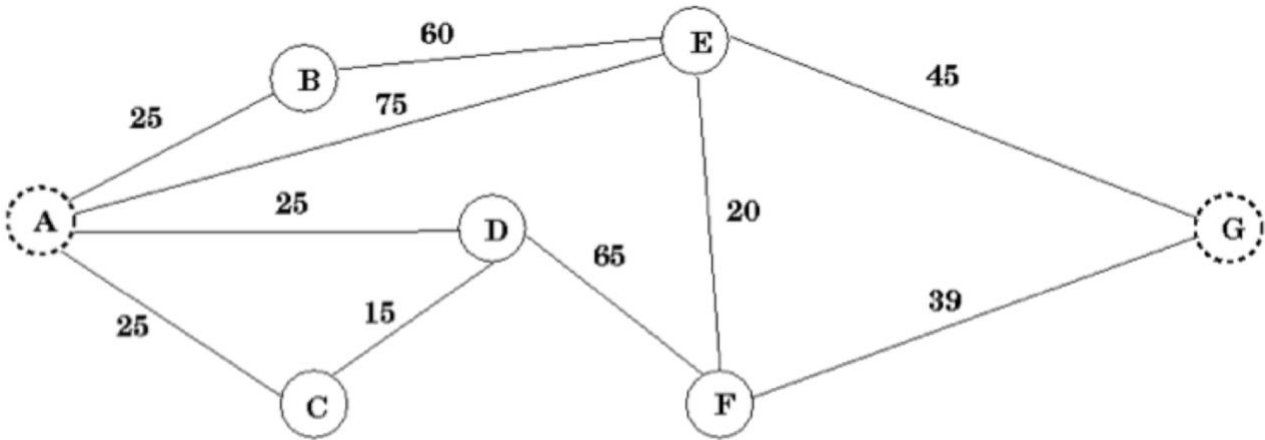
Student Declaration of Originality

<input checked="" type="checkbox"/>	This assignment is my own original work, and no part has been copied from another student's work or source, except where it is clearly attributed,
<input checked="" type="checkbox"/>	All facts/ideas/claims are from academic sources are paraphrased and cited/referenced correctly,
<input checked="" type="checkbox"/>	I have not previously submitted this work in any form for THIS or for any other unit; or published it elsewhere before
<input checked="" type="checkbox"/>	No part of this work has been written for me by another person,
<input checked="" type="checkbox"/>	I recognise that should this declaration be found to be false, disciplinary action could be taken and penalties imposed in accordance with Curtin College policy.

Electronic Submission:

<input checked="" type="checkbox"/>	I accept that it is my responsibility to check that the submitted file is the correct file, is readable and has not been corrupted,
<input checked="" type="checkbox"/>	I acknowledge that a submitted file that is unable to be read cannot be marked and will be treated as a non-submission
<input checked="" type="checkbox"/>	I hold a copy of this work if the original is damaged, and will retain a copy of the Turnitin receipt as evidence of submission

ACTIVITY 3: MANUAL DEPTH FIRST SEARCH / BREADTH FIRST SEARCH

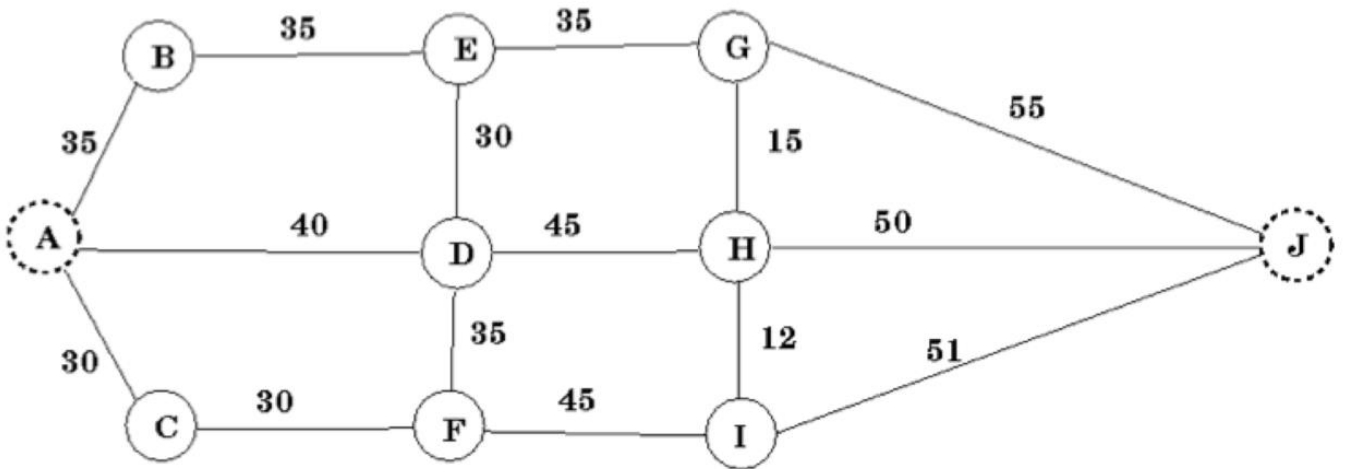


DEPTH FIRST SEARCH

(A,B); (B,E); (E,F); (F,G); (F,D); (D,C)

BREADTH FIRST SEARCH

(A,B);(A,C);(A,D);(A,E);(D,F), (E,G)



DEPTH FIRST SEARCH

(A,B);(B,E);(E,D),(D,H);(H,J),(J,G);(H,I),(I,F);(F,C)

BREADTH FIRST SEARCH

(A,B);(A,C);(A,D); (B,E); (C,F);(E,G);(F,I);(H,J)