## King Saud University College of Computer and Information Sciences Computer Science Department

**CSC 212** 

First Semester 1437-1438

## Tutorial # 14

## **Problem 1**

- Show the adjacency matrix for graph a
- Show the adjacency list for graph b
- Show the adjacency matrix and the adjacency list for graph c
- For graph a Give its BFS and DFS traversals starting at node b (order the children in alphabetical order).

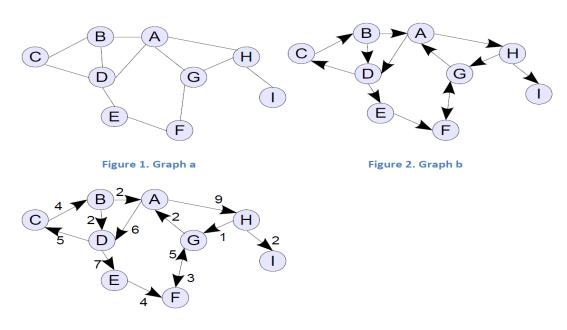


Figure 3. Graph c

## **Problem 2**

• Draw the graphs represented by the following adjacency- matrix

	Α	В	С	D	E	F
Α	0	1	2	3	0	0
В	2	0	3	4	5	0
С	3	3	0	0	3	0
D	4	7	0	0	0	1
E	0	3	0	0	0	5
F	0	0	2	3	9	0