

KingSaudUniversity  
College of Computer & Information Sciences  
Computer Science Department

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<b>Tutorial:N5</b>	
<b>Course Title:</b> Software Engineering	<b>Course Code:</b> CSC 342
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**Exercise :**

Saudi Marketing Company Limited (SAMCO) is one of the leading companies in the field of retail, trading, and importing business in Saudi Arabia. In this company, the advertising project manager has developed a program for a new advertising promotion. During this development, the manager has gathered the time information for each activity, as shown in the table below.

<b>Activity</b>	<b>Time (in days)</b>	<b>Predecessors</b>
A	5	–
B	7	–
C	6	–
D	3	A
E	4	B, C
F	2	C
G	6	A, D
H	5	E, F

1. Draw the network activity diagram and find the earliest and the latest start/finish time?
2. Compute the minimum time needed to complete all the activities of the advertising promotion program and identify which activities are critical?
3. If activity E is delayed by 3 days, Will the advertising promotion program completion time be affected? Justify your answer.
4. If activity F is delayed by 3 days, Will the advertising promotion program completion time be affected? Justify your answer.