In this project, you are required to write a program to compute the schedules for activities in a software project:

The program should contain the following:

i. Data input: The data should be checked during input: 1) time should be a number, 2) the predecessor should exist before, and 3) there is no cycle of tasks' dependencies.

An example of the input is from your homework 3:

Task Id.	Duration (weeks)	Dependencies
A	2	
B	3	
C	2	
D	3	A
E	2	B, C
F	1	A, B
G	4	A
H	5	C
I	3	D, F
J	3	E, G
K	2	I
L	2	K

ii. Scheduler: Develop a schedule using PDM algorithm as explained in the lecture, and fill in all the corresponding information of tasks (ES, EF, LS, LF).
iii. Critical path: You need to compute the critical paths and display them.

You could work in a group of 2-4 students. One member needs to submit your source files, executable file, a README.doc file to explain your program and how to run it, and a set of test files that you have been using to test your program. Other members of a group submit one sentence to tell me who they worked with and submitted the work.