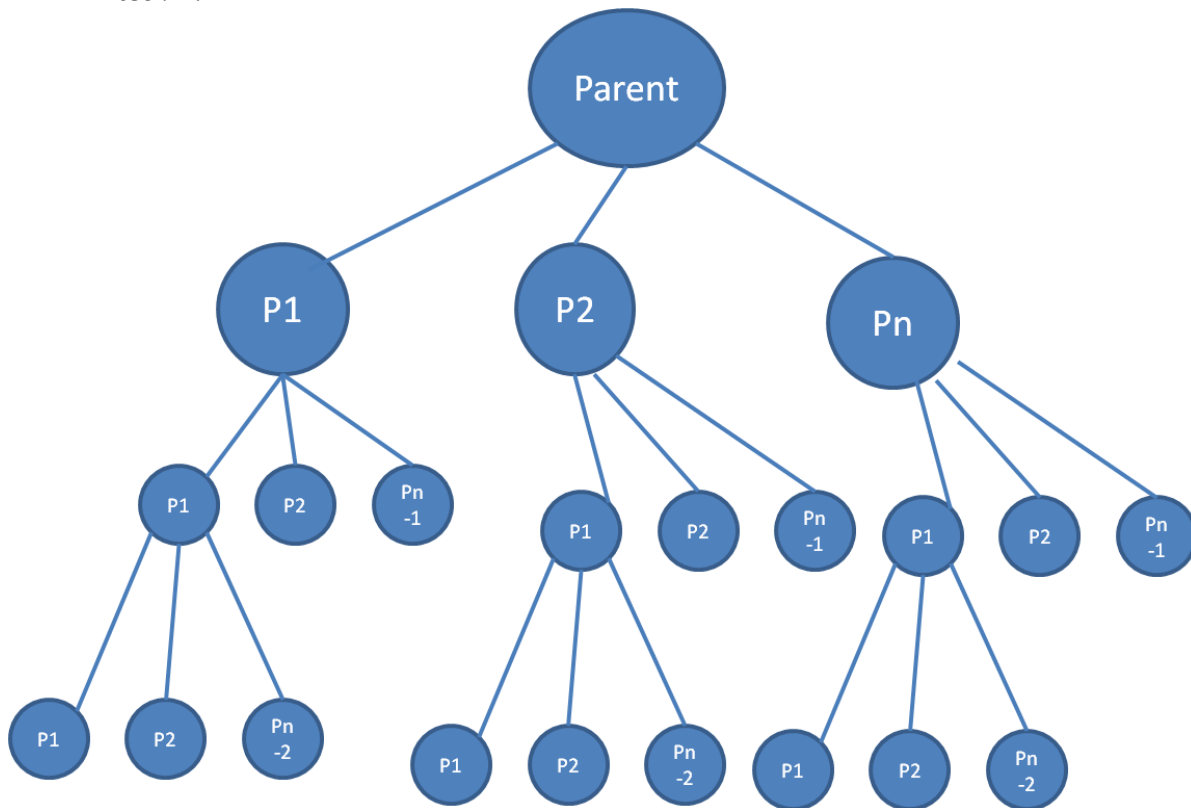


**IS F462 Network Programming**  
**I semester 2015-16**  
**Lab2 Exercise**

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Write a program tree.c for the following requirement.

- Take input  $n$  on command-line.
- Parent creates  $n$  children at level1.
- Each child in-turn creates  $n-1$  children at level2. Each child at level2 creates  $n-2$  children at level3. This continues until  $n$  reaches 0.
- Each child prints its level, its pid, parent's pid, its position i.e. 2 in if it is P2, ended by new line. Then it exits.
- Every process waits until all its children are exited. Parent exits printing "\nAll Children Exited\n".



**Example output:**

Level	pid	ppid	Position
2	2300	2287	3
1	2290	2286	5
1			
...			

**Files Expected:** A tar file <idno>\_lab2.tar containing tree.c and makefile to compile your program.

Upload your program on Nalanda (<http://nalanda>) latest by 6<sup>th</sup> Feb 10AM.