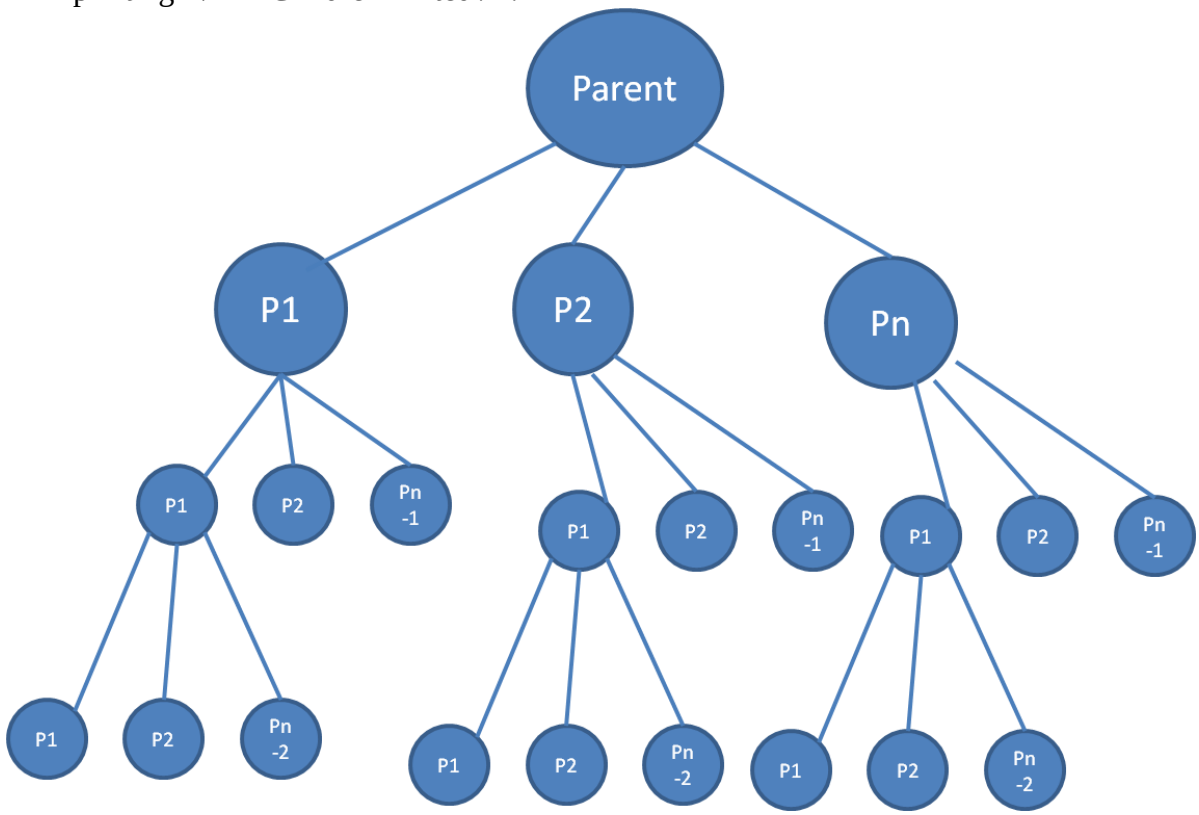
IS F462 Network Programming
II semester 2014-15
Lab2 Exercise

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 chile at level2 creates *n-2* children at level3. This continues until *n* reaches 0.
- Each child prints it level, its pid, parent's pid, its position i.e. 2 in if it is P2, and those many dots ended by new line. Then it exits.
- Every process waits until all its children are exited and *only then it will print*. Parent exits printing "\nAll Children Exited\n".



Example output:

```
Level       pid         ppid  Position    dots
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 6th Feb 10AM.