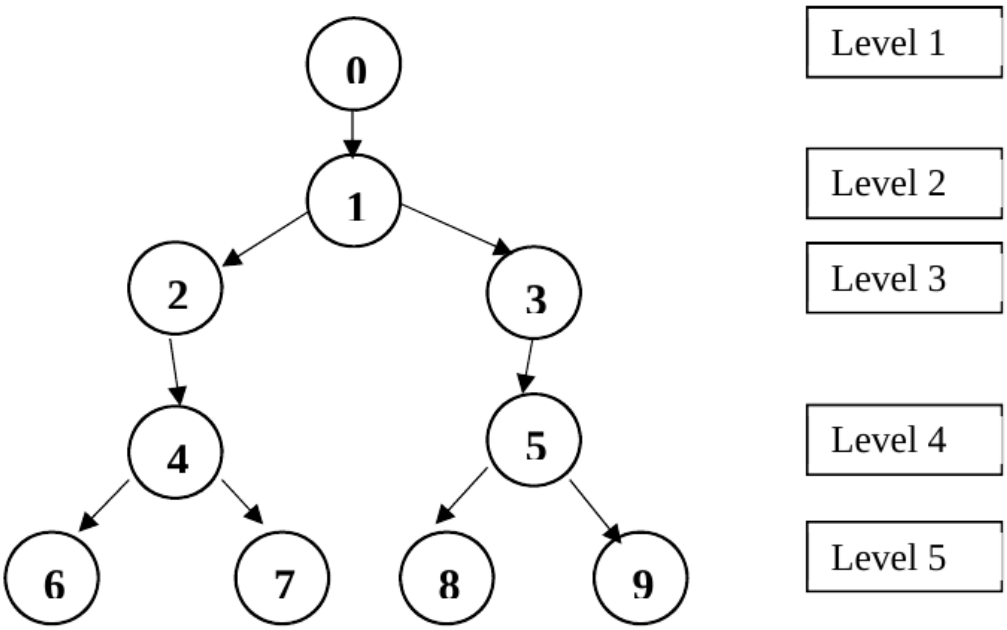
Lab 3 Exercise 1

Implement a C concurrent program that generates a process tree of height `n`. Each process at the odd level of the tree (1, 3, 5, etc.) must generate 1 process, and terminate. Each process at an even level of the tree (2, 4, 6, etc.) must generate two processes, and terminate.

Therefore, the initial process (at level 1) must generate a single process, which is at level 2 must generate 2 processes. Each of these two processes generated (at level 3) must generate one process, and so on so forth. **The processes on the last level of the tree (the leaves) must print their PID**.

The program receives the value of n from the command line. Example with `n=5`




```
> process_tree 5
Process 2204
Process 2206
Process 2208
Process 2211
```