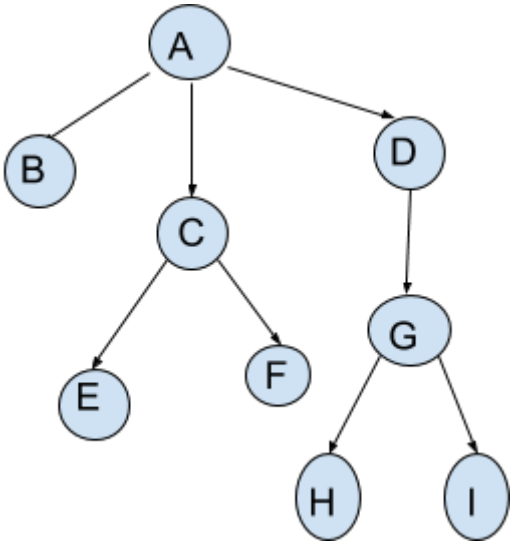
Lab Sheet 3 - Process creation

1. Write a program to find area and perimeter of circle and square. create separate processes for circle and square.
2. Modification of question 1: Parent process should create two children. Parent will read the value of '0 ' child 1 should find area and perimeter with circle of radius a, child 2 area and perimeter of square with side a.
3. Modification of question 1: Instead of using same address space for all three processes, child 1 and child 2 should find the area and perimeter using two other processes circle and square [Make two separate process for circle and square.] Rewrite the address space using execl, execlp, execle, ececv, execvp and execvpe
4. Modification off question 3: Make the parent process wait for any one of the child. {Check any of the processes is zombie or orphan}[Hint: Add enough sleep in between]
5. Modification off question 3: Make the parent process wait for both the children. {Check any of the processes is zombie or orphan}
6. Modification off question 3: Make the parent process wait for the child doing computations of circle. {Check any of the processes is zombie or orphan}
7. Write a program to create processes according to the tree structure given below. All processes should print their Process id and Parent Process id.



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