1. **Write a program that takes a number from user, then creates a child process and waits for its child to terminate. Child process computes the square of number and prints it on screen.**
2. **Write a program that creates a child process. The child process runs the command “ps -a”. Parent should wait for child to terminate and prints “Hello I am parent” before exit.**
3. **Write a program that creates a child and then the child create a child and then the child create another child. Remember the parents should not create another child. This concept is called process-chain. Create 3 childs.**
4. **Write code that implements process fan. In this concept, all the child processes are created by parent instead of child. The diagram below shows the tree. Create 3 child.**