//CPP code to create three child

// process of a parent

#include <stdio.h>

#include <stdlib.h>

#include <unistd.h>

// Driver code

int main()

{

int pid, pid1, pid2;

// variable pid will store the

// value returned from fork() system call

pid = fork();

// If fork() returns zero then it

// means it is child process.

if (pid == 0) {

// First child needs to be printed

// later hence this process is made

// to sleep for 3 seconds.

sleep(3);

// This is first child process

// getpid() gives the process

// id and getppid() gives the

// parent id of that process.

printf("child[1] --> pid = %d and ppid = %d\n",

getpid(), getppid());

}

else {

pid1 = fork();

if (pid1 == 0) {

sleep(2);

printf("child[2] --> pid = %d and ppid = %d\n",

getpid(), getppid());

}

else {

pid2 = fork();

if (pid2 == 0) {

// This is third child which is

// needed to be printed first.

printf("child[3] --> pid = %d and ppid = %d\n",

getpid(), getppid());

}

// If value returned from fork()

// in not zero and >0 that means

// this is parent process.

else {

// This is asked to be printed at last

// hence made to sleep for 3 seconds.

sleep(3);

printf("parent --> pid = %d\n", getpid());

}

}

}

return 0;

}

Text

Description automatically generated