Zombie process

#include <stdio.h>

#include <sys/types.h>

#include <unistd.h>

#include <stdlib.h>

void main()

{

pid\_t child\_pid = fork();

if(child\_pid > 0)

{

sleep(50);

system("ps -eo pid,ppid,stat,cmd");

}

else

exit(0);

}

Orphan process

#include <stdio.h>

#include <sys/types.h>

#include <unistd.h>

#include <stdlib.h>

void main()

{

int pid = fork();

if (pid > 0)

{

printf("in parent process:%d\n",getpid());

sleep(3);

}

else if (pid == 0)

{

printf("in child process:%d\n",getpid());

printf("in parent process:%d\n",getppid());

sleep(3);

printf("in child process:%d\n",getpid());

printf("in parent process:%d\n",getppid());

}

}