#include <stdio.h>

#include<stdlib.h>

#include <sys/types.h>

#include <unistd.h>

#include <string.h>

#include<sys/wait.h>

pid\_t ppid;

void child();

void parent();

//Write your code here

int get\_child\_exit\_status(pid\_t pid,int status){

waitpid(pid,&status,0);

if(WIFEXITED(status))

return WEXITSTATUS(status);

return 0;

//Wait for the child to finish and get the status code.

}

int main(void){

ppid = getpid();

int status;

pid\_t pid = fork();

//Write the code here to create a child process.

switch(pid)

{

case 0://inside the child process

child();

break;

default://inside the parent process

printf("Child exited with status=%d",get\_child\_exit\_status(pid,status));

}

}

//DO NOT MODIFY CODE BELOW

void child(){

pid\_t c\_pid = getpid();

if(c\_pid == ppid)

{

printf("This is not a child\n");

return;

}

printf("This is a child\n");

int status;

scanf("%d",&status);

exit(status);

}