#include <stdio.h>

#include <stdlib.h>

#include <sys/wait.h>

#include <sys/types.h>

#include <unistd.h>

int main(void)

{

pid\_t pid;

int status;

if( (pid = fork() ) == 0 )

{ /\* child \*/

printf("I am a child with pid = %d\n",

getpid());

sleep(30);

printf("child terminates\n");

\_exit(0);

}

else

{ /\* parent \*/

while (1)

{

waitpid( pid, &status, WUNTRACED );

if( WIFSTOPPED(status) )

{

printf("child stopped, signal(%d)\n",

WSTOPSIG(status));

continue;

}

else if( WIFEXITED(status) )

{

printf("normal termination with status(%d)\n",

WEXITSTATUS(status));

break;

}

else if (WIFSIGNALED(status))

{

printf("abnormal termination, signal(%d)\n",

WTERMSIG(status));

exit(0);

}

} /\* while \*/

} /\* parent \*/

return EXIT\_SUCCESS;

} /\* main \*/