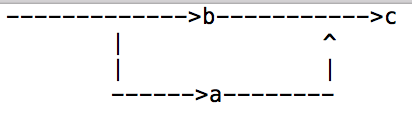
1、

2。因为fork的时候counter被复制了一份给子进程，所以子进程中的改动不会影响到父进程。

2、



bac和abc

3、

#include "csapp.h"

sigjmp\_buf buf;

void handler(int sig)

{

siglongjmp(buf,1);

}

char\* tfgets()

{

printf("Enter the maximum size of an input line:\n");

int n;

scanf("%d",&n);

char\*ans;

ans=malloc(sizeof(char)\*(n+2));

fgets(ans,n,stdin);// get rid of /n after the number

printf("Please type your input line in 5 secs\n");

if (sigsetjmp(buf,1))

{

printf("\nHa ha time up!\n");

return NULL;

}

alarm(5);

fgets(ans,n,stdin);

return ans;

}

int main()

{

Signal(SIGALRM,handler);

char\*ans=tfgets();

if (ans!=NULL)

{

printf("Oh yes, you type this in time!\n");

printf("%s",ans);

}

}

