Concurso 3

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Exercício 1.

```
<stdio.h>
                                                                                                             F
                                                                                                                                                                             kali@kali: ~/Desktop/Assignment3
                                                                                                             File Actions Edit View Help
                   <errno.h>
                                                                                                             (kali@ kali)-[~/Desktop/Assignment3]
                                                                                                             In Upper Case is: 'OLAfjfj13'
10824lansf
                                                                                                             fmals
^C
10 int main(){
                 int p1[2]; //Child ⇒ Parent
int p2[2]; //Parent ⇒ Child
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                                                                                                            ____(kali⊕ kali)-[~/Desktop/Assignment3]
$ gcc ex1.c -0 ex1
                                                                                                            (kali® kali)-[~/Desktop/Assignment3]

lndfsa1
In Upper Case is: 'LNDFSA1'
laisnf
In Upper Case is: 'LAISNF'
123af
In Upper Case is: '123AF'
                 while(true){
if(pipe(p1) < 0){return 1;}
if(pipe(p2) < 0){return 1;}</pre>
                 In Upper Case is: '123AF'
123asfln
In Upper Case is: '123ASFLN'
^C
                 if(pid = 0){
//Child Process
close(p1[1]);
close(p2[0]);
                                                                                                            (kali@kali)-[~/Desktop/Assignment3]
square ex1.c -0 ex1
                                                                                                             (kali@ kali)-[~/Desktop/Assignment3]
                                                                                                            └$ ./ex1
leonardo MOREIRA
                 char s[100];
read(p1[0], s,sizeof(s));
                                                                                                            teonardo MOREIRA
In Upper Case is: 'LEONARDO moreira'
12345 SIM
In Upper Case is: '12345 sim'
OK ok OK
In Upper Case is: 'ok OK ok'
'C
                 (kali⊕ kali)-[~/Desktop/Assignment3]
```

```
// if character is in upercase then add 32
    else if( s[i] ≥ 'A' &6 s[i] ≤ 'Z' ){
        s[i] += 32;
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                                                                                          __(kali⊛ kali)-[~/Desktop/Assignment3]
./ex1
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                                                                                          lndfsa1
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                                                                                          In Upper Case is: 'LNDFSA1'
                         í++;
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                                                                                          laisnf
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               write(p2[1],s,sizeof(s));
close(p1[0]);
close(p2[1]);
                                                                                          In Upper Case is: 'LAISNF'
44
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                                                                                          In Upper Case is: '123AF'
46
                                                                                          123asfln
                                                                                          In Upper Case is: '123ASFLN'
^C
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                                                                                          (kali@kali)-[~/Desktop/Assignment3]
$ gcc ex1.c -0 ex1
              //Parent Process
char r[100];
while(true){
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51
                                                                                          (kali@ kali)-[~/Desktop/Assignment3]
$\( ./\ex1\)
52
                         scanf("%[^\n]", r);
write(p1[1], r,sizeof(r));
read(p2[0], r,sizeof(r));
printf("In Upper Case is: '%s'\n", r);
53
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                                                                                          leonardo MOREIRA
55
                                                                                          In Upper Case is: 'LEONARDO moreira'
                                                                                          12345 SIM
56
                                                                                          In Upper Case is: '12345 sim'
57
                                                                                          OK ok OK
58
                                                                                          In Upper Case is: 'ok OK ok'
^C
59
60 }
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                                                                                          ___(kali⊗kali)-[~/Desktop/Assignment3]
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```