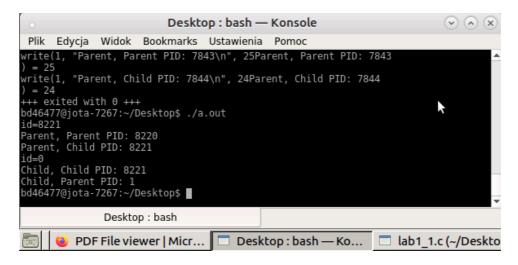
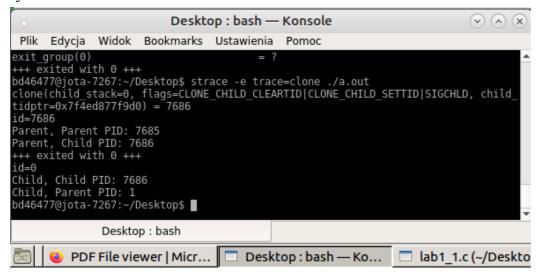
### Kod programu:

```
🔊 Programy Miejsca System 🝯
                                     lab1_1.c
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                                                         Save
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                                     ~/Desktop
 File Edit View Search Tools Documents Help
#include <syscall.h>
#include <unistd.h>
#include <stdio.h>
#include <sys/types.h>
int main(void) {
          long ID;
          ID = fork();
          printf("id=%ld\n", ID);
          if(ID==0){
                    printf ( "Child, Child PID: %d\n", getpid());
printf ( "Child, Parent PID: %d\n", getppid());
          else{
                    printf ( "Parent, Parent PID: %d\n", getpid());
printf ( "Parent, Child PID: %ld\n", ID);
          return(0);
}
```

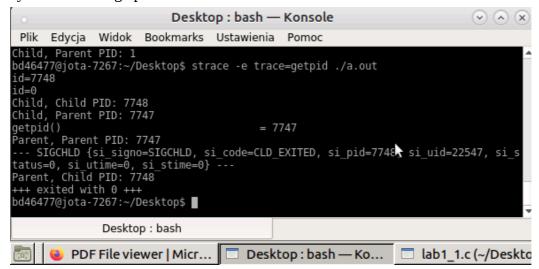
# Wywolanie programu:



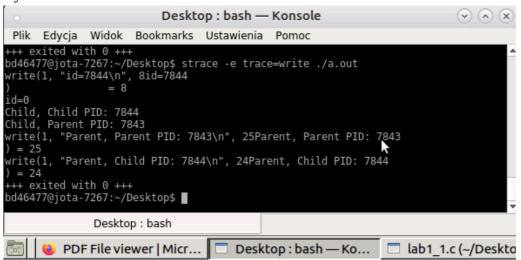
## Wynik strace dla clone:



## Wynik strace dla getpid:



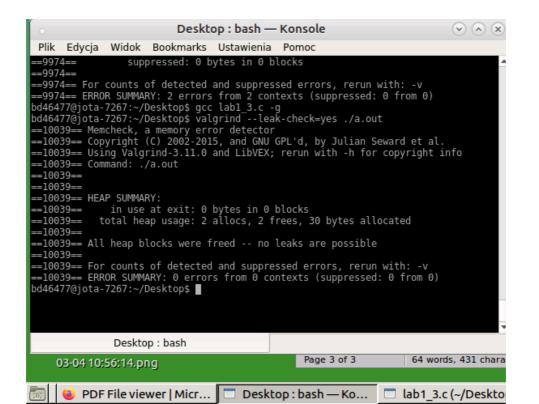
#### Wynik strace dla write:





Do wykonania zadania musialem skompilowac z dodaniem -g, aby moc wejsc do debuggera. Nastepnie po odpaleniu programu: ./a.out zatrzymuje proces aby wrzucic go w tlo. Sprawdzam procesid za pomoca komendy ps. Kolejnym krokiem jest zmienienie wartosci a, wpisujac gdb ./a.out id\_procesu, po uruchomieniu gdb wpisujemy set var a=0





Kod który poprawia bledy:

```
Programy Miejsca System 🍯
                              lab1_3.c
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                                        Help
        lab1_1.c
                              lab1_2.c
                                                    lab1_3.c
#include <stdlib.h>
#include <string.h>
int main(){
        unsigned char *p1 = malloc(10*sizeof(unsigned char));
        unsigned char *p2 = malloc(20*sizeof(unsigned char));
        memset(p1,1,10);
        free(p1);
        free(p2);
        //p1[9]=2;
return 0;
                                                  Z
}
                     C ▼ Tab Width: 8 ▼ Ln 14, Col 2 ▼ INS
```