

Practical 4

Aim : [A] Write a C program that will print parent process id and child process id. Mention error checking if the child process is not created.

Program Code :

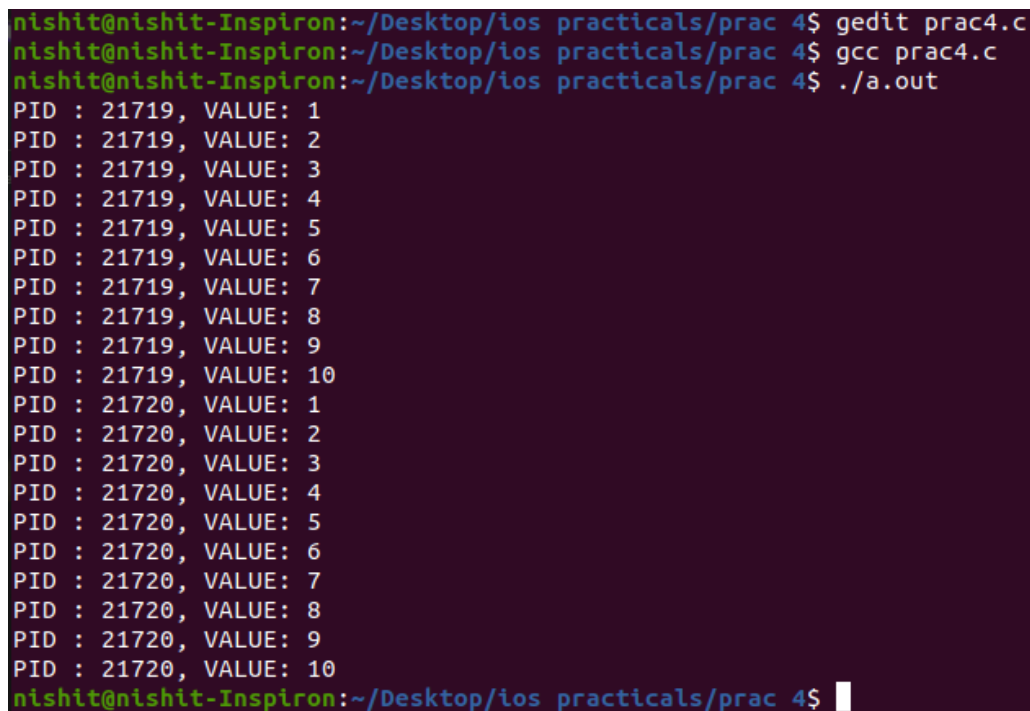
```
#include<stdio.h>
#include<string.h>
#include<unistd.h>
#include<sys/types.h>
#define MAX_COUNT 10
#define BUF_SIZE 100

void main(int argc, char* argv[]){

    pid_t pid;
    int i;
    char buf[BUF_SIZE];
    fork();
    pid = getpid();

    for(i=1;i<=MAX_COUNT;i++){
        sprintf(buf, "PID : %d, VALUE: %d\n", pid, i);
        write(1, buf, strlen(buf));
    }
}
```

Output :



```
nishit@nishit-Inspiron:~/Desktop/ios practicals/prac 4$ gedit prac4.c
nishit@nishit-Inspiron:~/Desktop/ios practicals/prac 4$ gcc prac4.c
nishit@nishit-Inspiron:~/Desktop/ios practicals/prac 4$ ./a.out
PID : 21719, VALUE: 1
PID : 21719, VALUE: 2
PID : 21719, VALUE: 3
PID : 21719, VALUE: 4
PID : 21719, VALUE: 5
PID : 21719, VALUE: 6
PID : 21719, VALUE: 7
PID : 21719, VALUE: 8
PID : 21719, VALUE: 9
PID : 21719, VALUE: 10
PID : 21720, VALUE: 1
PID : 21720, VALUE: 2
PID : 21720, VALUE: 3
PID : 21720, VALUE: 4
PID : 21720, VALUE: 5
PID : 21720, VALUE: 6
PID : 21720, VALUE: 7
PID : 21720, VALUE: 8
PID : 21720, VALUE: 9
PID : 21720, VALUE: 10
nishit@nishit-Inspiron:~/Desktop/ios practicals/prac 4$
```