

## FIFOS

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#include<stdio.h>
#include<stdlib.h>
#include<unistd.h>
#include<fcntl.h>
#include<sys/stat.h>

#define MAX_BUF 1024

int main()
{
    int fd,c=0;
    char *fifo1="fifo1";
    char *fifo2="fifo2";
    int fd1;
    int words=1,lines=1,chars=0;
    char buf1[MAX_BUF];
    mkfifo(fifo1,0666);
    fd=open(fifo1,O_RDWR);
    char str;
    printf("\nEnter the String:");
    while ((str=getchar())!='#')
        buf1[c++]=str;
    buf1[c]='\0';
    write(fd,buf1,sizeof(buf1));
    close(fd);
    unlink(fifo1);
    fd1=open(fifo2,O_RDWR);
    read(fd1,buf1,sizeof(buf1));
    printf("\nThe contents of file are %s\n",buf1);
    int i=0;
    while(buf1[i]!='\0')
    {
        if(buf1[i]==' '||buf1[i]=='\n')
            {words++;}
        else
            {chars++;}
        if(buf1[i]=='\n')
            { lines++;}
        i++;
    }
    printf("\n No of Words: %d",words);
    printf("\n No of Characters: %d",chars);
    printf("\n No of Lines: %d",lines);
    close(fd1);
    return 0;
}
```

enter the String( press # for end) : hello my name is dipanshu sankhala #

The contents of file are hello my name is dipanshu sankhala

No of Words: 8  
No of Characters: 29  
No of Lines: 1

...Program finished with exit code 0  
Press ENTER to exit console.