//FIFO 1

#include<stdio.h> #include<unistd.h>

#include<sys/types.h> #include<sys/stat.h> #include<fcntl.h>

#include<string.h> #define max\_buf 100

int main()

{

char \*myfifo1="myfifo1",\*myfifo2="myfifo2",arr[50]; mkfifo(myfifo1,0666);

int i,words,lines; int fd;

fgets(arr,50,stdin);

fd=open(myfifo1,O\_WRONLY); write(fd,arr,strlen(arr)+2); close(fd);

unlink(myfifo1);

int fd1;

fd1=open(myfifo2,O\_RDONLY); read(fd1,&i,sizeof(i));

printf("Total characters: %d\n",i); read(fd1,&words,sizeof(words)); printf("Total word: %d\n",words); read(fd1,&lines,sizeof(lines));

printf("Total Lines: %d\n",lines); close(fd1);

}

//FIFO 2

#include<stdio.h> #include<unistd.h>

#include<sys/types.h> #include<sys/stat.h> #include<fcntl.h> #define max\_buf 100

int main()

{

char \*myfifo1="myfifo1",\*myfifo2="myfifo2"; char buf[50];

FILE \*fp;

int i=0,words=0,lines=0; mkfifo(myfifo2,0777); int fd,fd1;

fd=open(myfifo1,O\_RDWR); read(fd,buf,max\_buf);

printf("\nMessage received is: %s",buf); while(buf[i]!='\0')

{

while(buf[i]==' ')

{

words++,i++;

}

if(buf[i]=='.'||buf[i]=='?'||buf[i]=='!')

{

lines++,i++;

}

i++;

}

printf("\n Total no. of characters:%d",i); fp=fopen("abc.txt","w+");

fprintf(fp,"Total characters=%d",i);

printf("\n Total no. of words:%d",words); fp=fopen("abc.txt","w+");

fprintf(fp,"Total characters=%d",words);

printf("\n Total no. of characters:%d",lines); fp=fopen("abc.txt","w+");

fprintf(fp,"Total no. of lines=%d",lines); fclose(fp);

unlink(myfifo1);

fd1=open(myfifo2,O\_RDWR); write(fd1,&i,sizeof(i));

write(fd1,&words,sizeof(words)); write(fd1,&lines,sizeof(lines)); close(fd1);

return 0;

}

