

```
//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));
```

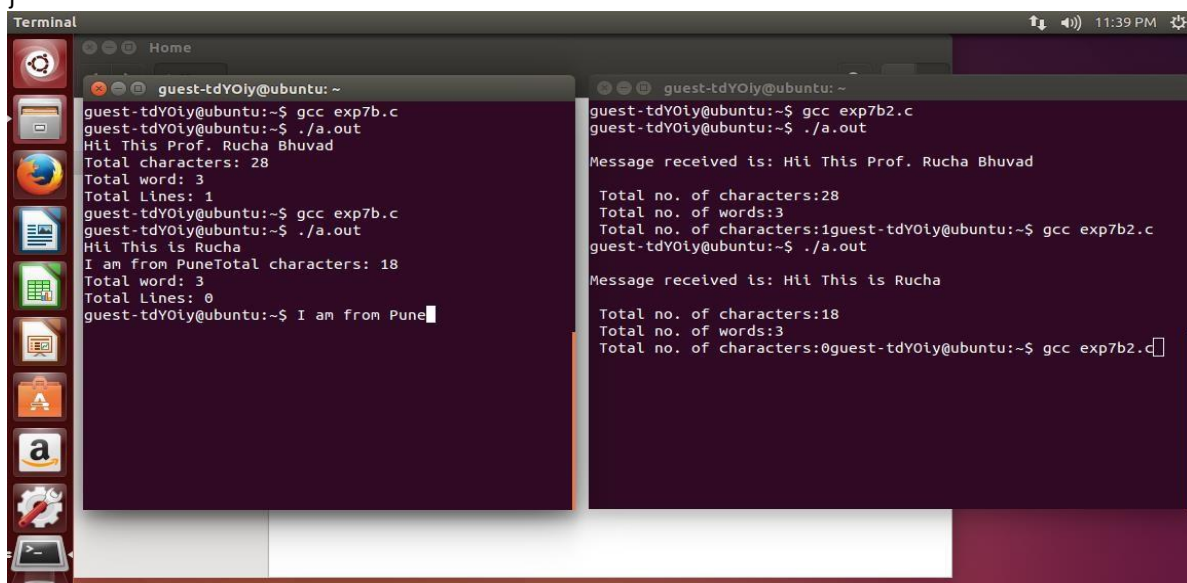
```
write(fd1,&words,sizeof(words));
```

```
write(fd1,&lines,sizeof(lines));
```

```
close(fd1);
```

```
return 0;
```

```
}
```



```
Terminal
Home
guest-tdY0iy@ubuntu: ~
guest-tdY0iy@ubuntu:~$ gcc exp7b.c
guest-tdY0iy@ubuntu:~$ ./a.out
Hi! This Prof. Rucha Bhuvad
Total characters: 28
Total word: 3
Total Lines: 1
guest-tdY0iy@ubuntu:~$ gcc exp7b.c
guest-tdY0iy@ubuntu:~$ ./a.out
Hi! This is Rucha
I am from PuneTotal characters: 18
Total word: 3
Total Lines: 0
guest-tdY0iy@ubuntu:~$ I am from Pune
```