

```
//named pipe
```

```
#include<string.h>
#include<stdio.h>
#include<unistd.h>
#include<sys/types.h>
#include<stdlib.h>
#include<sys/stat.h>
#include<fcntl.h>
#include<ctype.h>
```

```
int main()
{
    char a[100];

    mkfifo("f.txt",0666);
    int fd= open("f.txt", O_WRONLY);
    printf("Enter Sentence: ");
    fgets(a,100,stdin);
    write(fd,a,strlen(a)+1);
    close(fd);
    printf("%s %d",a,strlen(a));
    return 0;
}
```

```
//2
```

```
#include<string.h>
#include<stdio.h>
#include<unistd.h>
#include<sys/types.h>
#include<sys/wait.h>
#include<fcntl.h>
#include<ctype.h>
```

```
int main()
{
    char a1[100],a2[100];
    int word=1,vo=0,sen=0;
    int fd1= open("f.txt", O_RDONLY);
    read(fd1,a1,sizeof(a1));
    printf("%s",a1);
    close(fd1);
    for(int i=0;i<strlen(a1);i++)
```

```

    {
        if(a1[i]==' ')
        {
            word++;
        }
        if(isalnum(a1[i]))
        {
            vo=vo+1;
        }
        if(a1[i]=='.')
        {
            sen++;
        }
    }
    mkfifo("f1.txt",0666);
    int fd2=open("f1.txt", O_WRONLY);
    sprintf(a2,"No of words: %d\nNo of Characters: %d\nNo of sentences:
%d\n",word,vo,sen);
    write(fd2,a2,strlen(a2));
    printf("%d %d %d",word,vo,sen);
    return 0;
}

```

```

//3
#include<string.h>
#include<stdio.h>
#include<unistd.h>
#include<sys/types.h>
#include<sys/wait.h>
#include<fcntl.h>
#include<ctype.h>

```

```

int main()
{
    char a6[100];
    int fd3= open("f1.txt", O_RDONLY);
    read(fd3,a6,sizeof(a6));
    printf("%s",a6);
    close(fd3);
}

```