

```
//B20CS1130
//Experiment 3
//Named Pipe.1
```

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

```
void main(){
    int fd;
    char arr[100];
    char *np1="f.txt";
    printf("Enter a paragraph: \n");
    fgets(arr,100,stdin);
    mkfifo(np1,0666);
    fd=open(np1,O_WRONLY);
    write(fd,arr,sizeof(arr)+1);
    close(fd);
}
```

```
/*
OUTPUT
s6cs130@comp62:~$ gcc 3.named1.c
s6cs130@comp62:~$ ./a.out
Enter a paragraph:
Hello there i am doing fine.
*/
```

```
//Experiment 3
//Named Pipe.2
```

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

```

#include<unistd.h>
#include<ctype.h>
void main(){
    int i,words,characters,sentences;
    char str[100];
    char *np1="f.txt";
    char *np2="f1.txt";
    char str2[100],str3[100];
    printf("Reading the paragraph:\n");
    int fd=open(np1,O_RDONLY);
    read(fd,str2,sizeof(str2));
    printf("%s",str2);
    close(fd);
    for(i=0;i<sizeof(str2);i++){
        if(str2[i]==' '){
            words++;
        }
        else if(isalnum(str2[i])){
            characters++;
        }
        if(str2[i]=='.'){
            sentences++;
        }
    }
    sprintf(str3,"Characters: %d\nWords: %d\nSentences: %d\n",characters,words,sentences);
    printf(str3,"Characters: %d\nWords: %d\nSentences: %d\n",characters,words,sentences);
    mkfifo(np2,0666);
    int fd1=open(np2,O_WRONLY);
    write(fd1,str3,sizeof(str3)+1);
    printf("%s",str3);
    close(fd1);
}

```

/*

OUTPUT

s6cs130@comp62:~\$ gcc 3.named2.c

s6cs130@comp62:~\$./a.out

Reading the paragraph:

Hello there i am doing fine.

Characters: 29

Words: 6

Sentences: 1

^C

*/

