

Name : Harshvardhan N. Patil  
Roll no.: 33346  
Class : TE 11  
Batch : M 11

Assignment : 7a

**Code:**

**assign7a.c**

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

int main()
{

int fd;

char
*myfifo1="/tmp/myfifo1";
char
*myfifo2="/tmp/myfifo2";

mkfifo(myfifo1,0666);
mkfifo(myfifo2,0666);

char arr1[80],arr2[80];

while(1)
{
fd=open(myfifo1,O_WRONLY
); fgets(arr1,80,stdin);
write(fd,arr1,80);
close(fd);

fd=open(myfifo2,O_RDONLY
); read(fd,arr2,80);
printf("User2:
%s\n",arr2); close(fd);
}

return 0;
}
```

**assign7a2.c**

```
#include<stdio.h>
#include<unistd.h>
#include<sys/stat.h>
#include<sys/types.h>
```

```

#include<string.h>
#include<fcntl.h>

int main()
{
int fd1,sen,wor;

char * myfifo1="/tmp/myfifo1";
char * myfifo2="/tmp/myfifo2";

mkfifo(myfifo1,0666);
mkfifo(myfifo2,0666);

char str1[180],str2[180];

while(1)
{
fd1=open(myfifo1,O_RDONLY);
read(fd1,str1,180);
printf("User1: %s\n",str1);
close(fd1);

sen=0;
wor=1;

for(int i=0;str1[i]!='\0';i++)
{
if(str1[i]==' ')wor++;
if(str1[i]=='.')sen++;
}

sprintf(str2,"words: %d sentences: %d",wor,sen);

fd1=open(myfifo2,O_WRONLY);
write(fd1,str2,180);
close(fd1);

}

return 0;
}

```

**Output:**



nllab11@nllab-11: ~/33352\_Shubham/Assign7/Assign7a



nllab11@nllab-11: ~/33352\_Shubham/Assign7/Assign7a

```
nllab11@nllab-11:~/33352_Shubham/Assign7/Assign7a$ gcc -o abc assign7a.c
```

```
nllab11@nllab-11:~/33352_Shubham/Assign7/Assign7a$ ./abc
```

```
My name is shubham. I am 20 yrs old.
```

```
User2: words: 9 sentences: 2
```

```
nllab11@nllab-11:~/33352_Shubham/Assign7/Assign7a$ gcc -o def a
```

```
nllab11@nllab-11:~/33352_Shubham/Assign7/Assign7a$ ./def
```

```
User1: My name is shubham. I am 20 yrs old.
```