

Name: Siddhesh Avinash Dhinge

Roll no.: 33310

Class: TE 11

Batch: L11

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: -

Assign7a.c

```
osbox@osboxesorg:~/Desktop$ gcc -o a assign7a.c
```

```
osbox@osboxesorg:~/Desktop$ ./a
```

submissions are on!!

User2: words: 9 sentences: 2

Assign7a2.c

```
osbox@osboxesorg:~/Desktop$ gcc -o b assign7a2.c
```

```
osbox@osboxesorg:~/Desktop$ ./b
```

User1: submissions are on!!