```
Roll no.: 33346
Class: TE 11
Batch: M 11
Assignment: 7b
Code:
server.c
#include<stdio.h>
#include<unistd.h>
#include<sys/ipc.h>
#include<sys/shm.h>
int main()
{
// ftok to generate a unique id
key_t key=ftok(".",65);
// shmget returns an identifier in shmid
int shmid=shmget(key,1024,0666|IPC_CREAT);
//shmat to attach to shared memory
char *str=(char *)shmat(shmid,NULL,0);
printf("Enter the data to send from server to client :");
fgets(str,1024,stdin);
printf("\nData written in shared memory :%s\n",str);
//shmdt to detach from shared memory
shmdt(str);
return 0;
}
client.c
#include<stdio.h>
#include<unistd.h>
#include<sys/ipc.h>
#include<sys/shm.h>
int main()
{
```

Name: Harshvardhan N. Patil

```
key_t key=ftok(".",65);
int shmid=shmget(key,1024,0666|IPC_CREAT);
char * str=(char *)shmat(shmid,NULL,0);
printf("Data from server : %s\n",str);
shmdt(str);
// destroy the shared memory
shmctl(shmid,IPC_RMID,NULL);
return 0;
}
```

## **Output:**

