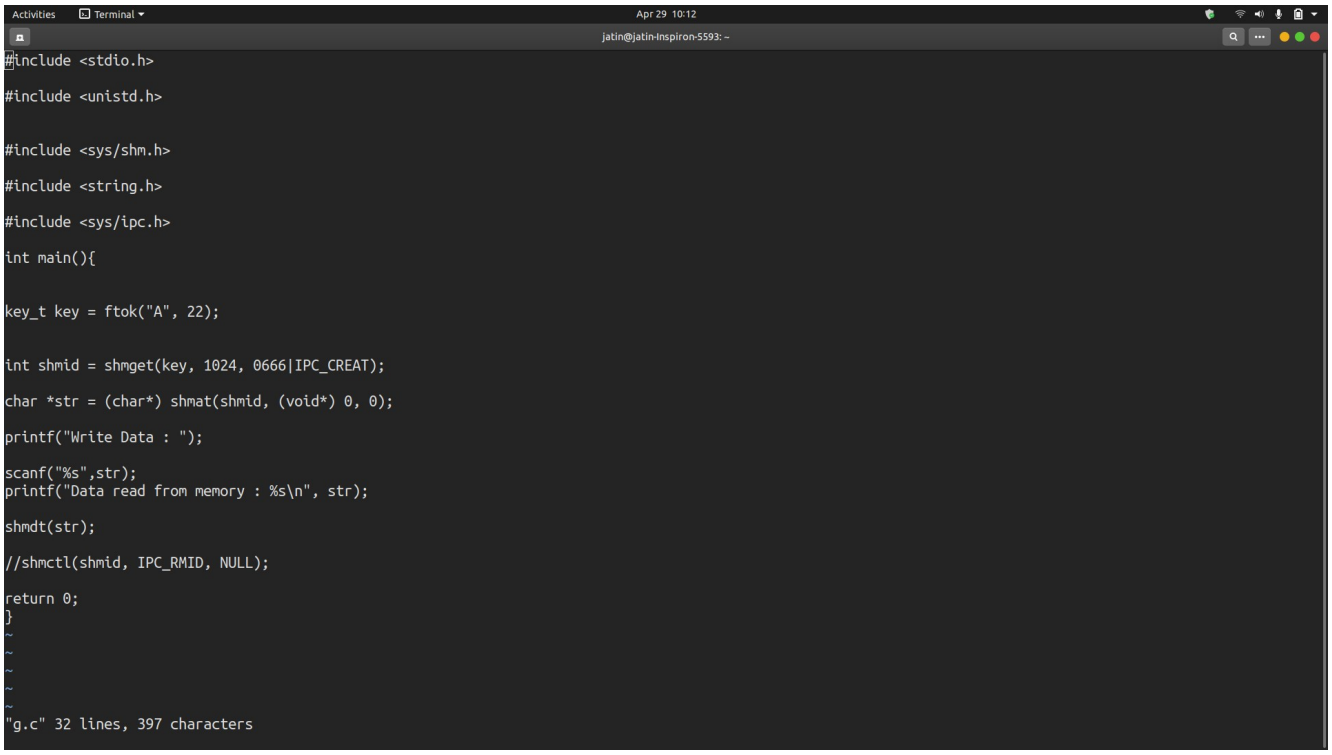
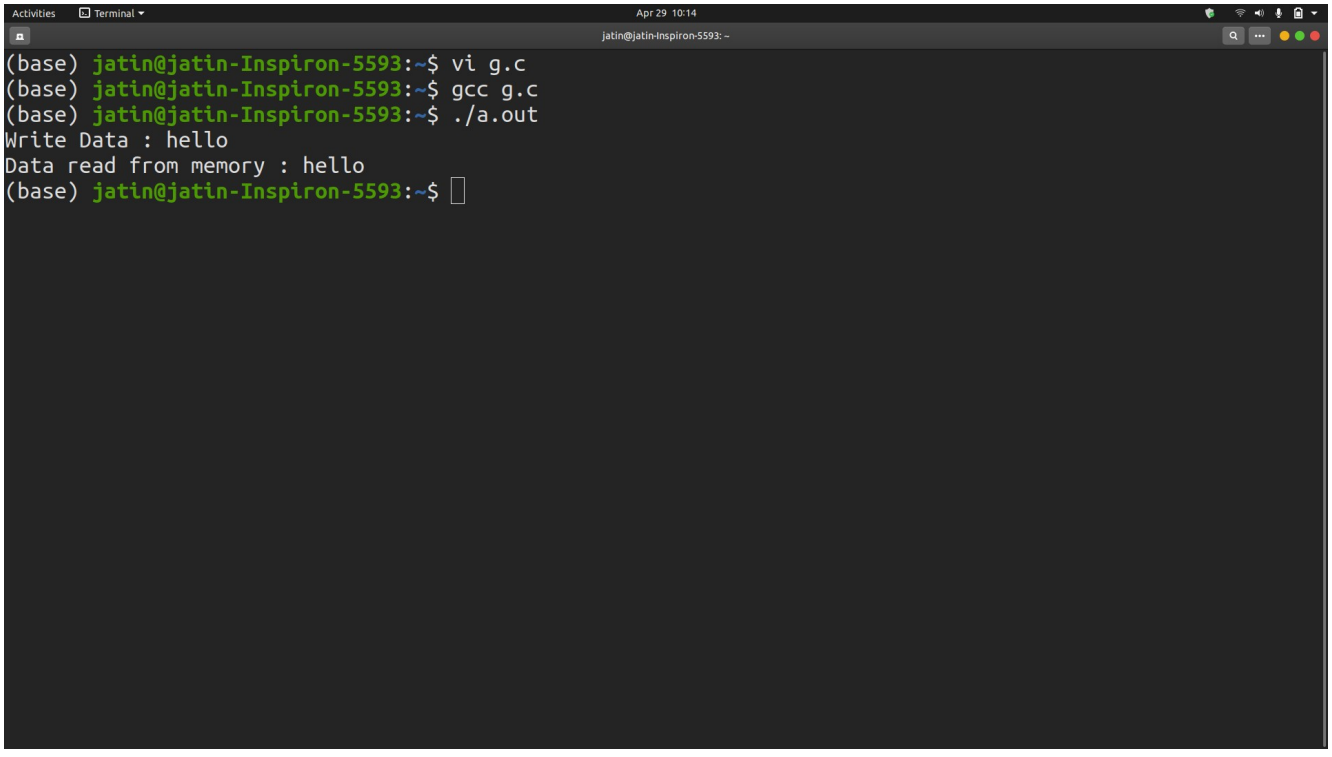
RA1911003010714

Jatin S Rastogi

OS EXP 12,13

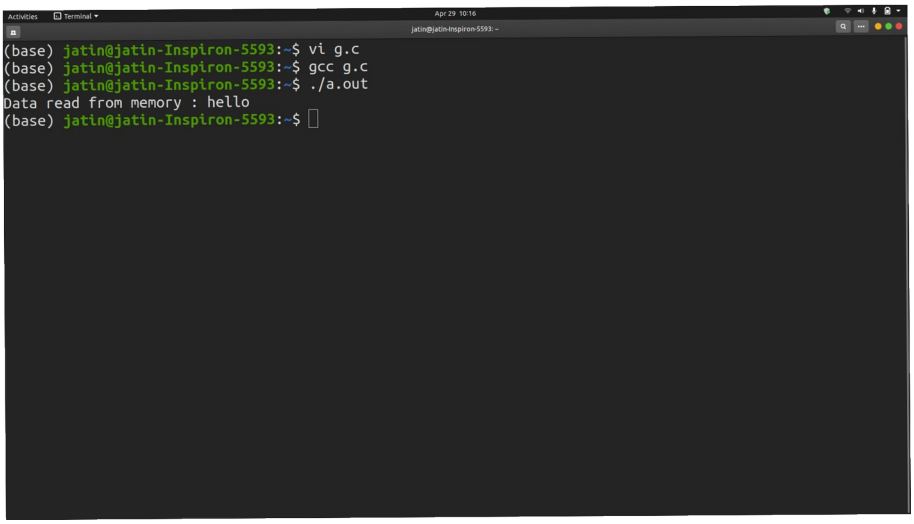
1)Writer’s code

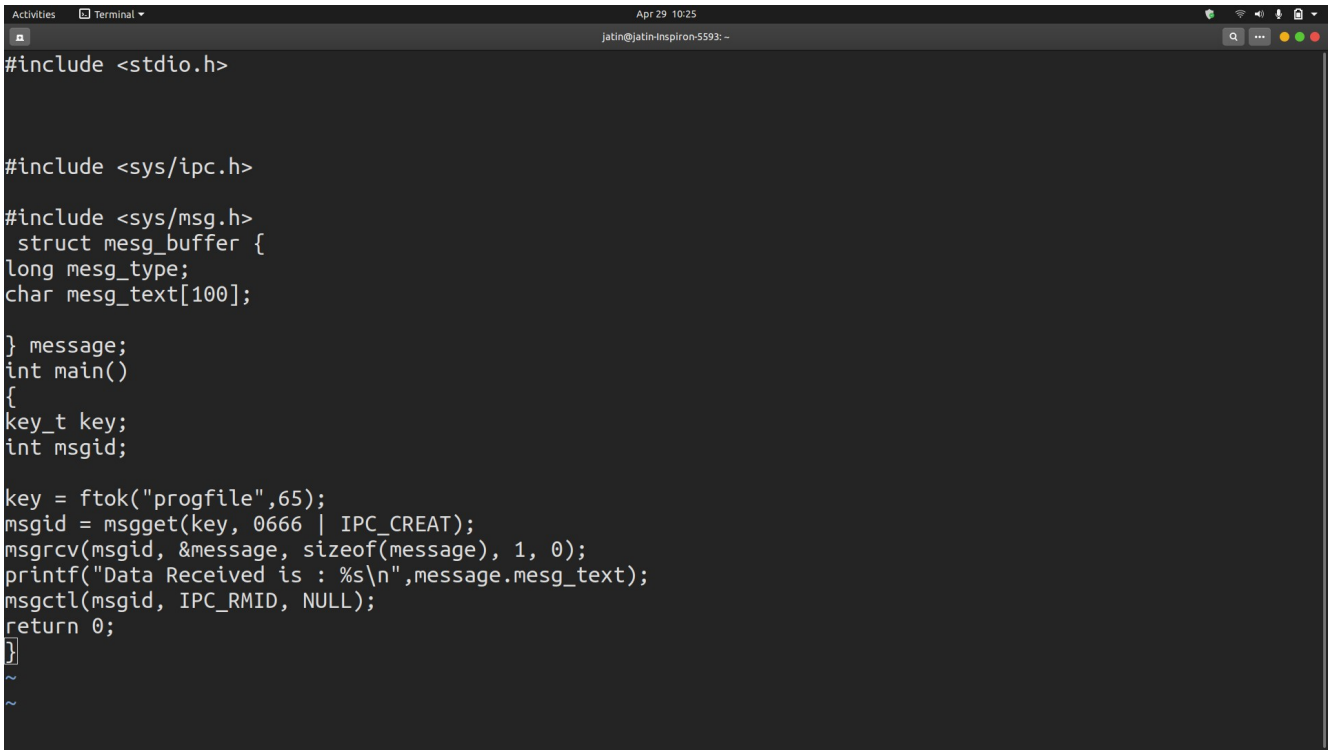




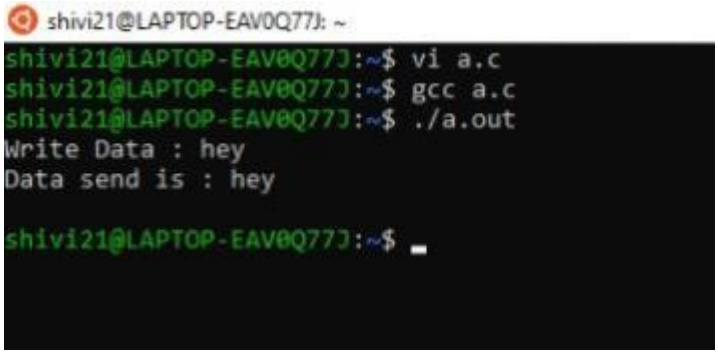
Reader’s code

Output:

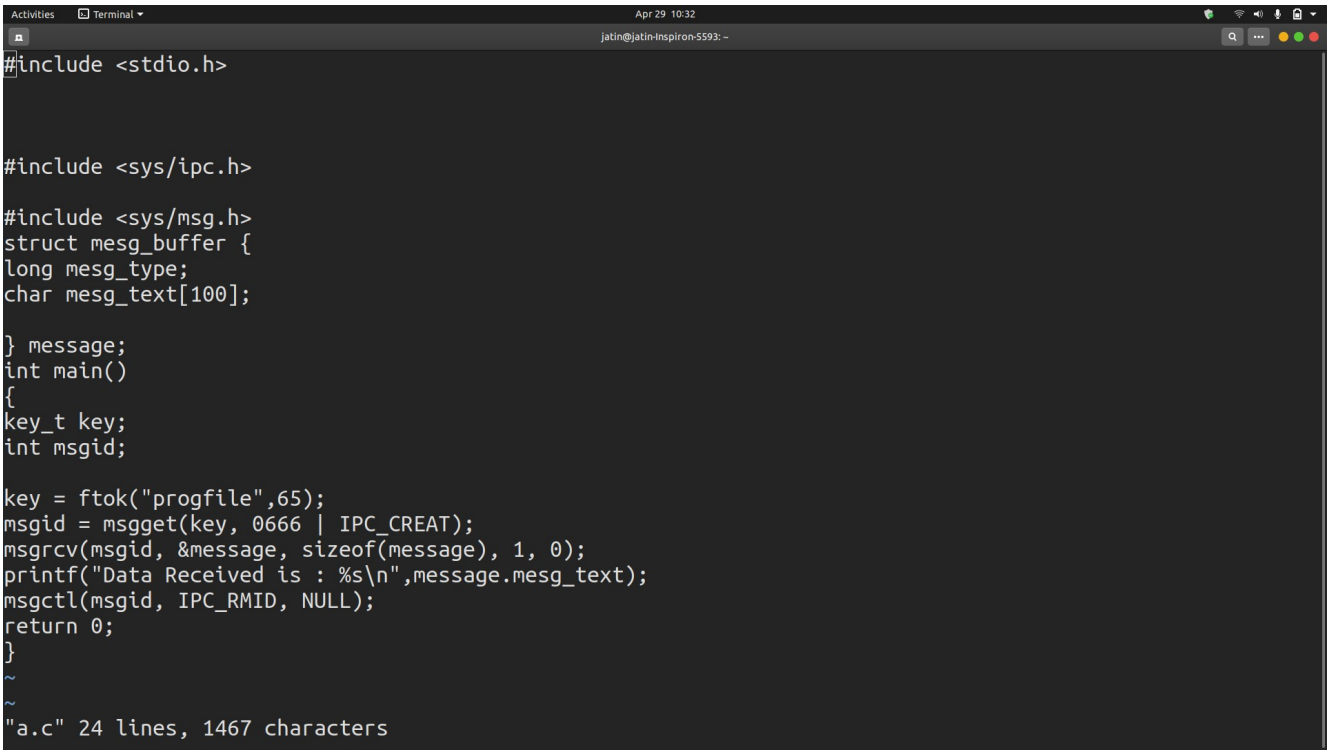

Activities
Terminal
Apr 29 10:16
jatin@jatin-Inspiron-5593: ~
(base) jatin@jatin-Inspiron-5593:~$ vi g.c
(base) jatin@jatin-Inspiron-5593:~$ gcc g.c
(base) jatin@jatin-Inspiron-5593:~$ ./a.out
Data read from memory : hello
(base) jatin@jatin-Inspiron-5593:~$


Activities
Terminal
Apr 29 10:25
jatin@jatin-Inspiron-5593: ~
#include <stdio.h>
#include <sys/ipc.h>
#include <sys/msg.h>
struct mesg_buffer {
long mesg_type;
char mesg_text[100];
} message;
int main()
{
key_t key;
int msgid;
key = ftok("progfile",65);
msgid = msgget(key, 0666 | IPC_CREAT);
msgrcv(msgid, &message, sizeof(message), 1, 0);
printf("Data Received is : %s\n",message.mesg_text);
msgctl(msgid, IPC_RMID, NULL);
return 0;
}

Output:


shivi21@LAPTOP-EAV0Q77J: ~
shivi21@LAPTOP-EAV0Q77J:~$ vi a.c
shivi21@LAPTOP-EAV0Q77J:~$ gcc a.c
shivi21@LAPTOP-EAV0Q77J:~$ ./a.out
Write Data : hey
Data send is : hey
shivi21@LAPTOP-EAV0Q77J:~$

Reader’s code



Output: