

```

#include<stdio.h>
#include<sys/ipc.h>
#include<sys/msg.h>
#define MAX 100

struct msgbuffer
{
long msgtype;
char msg_text[100];
}message;

void main()
{
key_t key;
int msgid;

key=ftok("progrfile",65);
msgid=msgget(key,0666|IPC_CREAT);
message.msgtype=1;
printf("Send Data is ");
fgets(message.msg_text,MAX,stdin);
msgsnd(msgid,&message,sizeof(message),0);
printf("\nData send is %s",message.msg_text);
return;
}

```

Send Data is malayalam

Data Send is malayalam

Data recieved is malayalam
Given String is palindrome

```

#include<stdio.h>
#include<sys/ipc.h>
#include<sys/msg.h>
#include<string.h>

struct msgbuffer
{
long type;
char msg_text[100];
}message;

void main()
{
key_t key;
int msgid;
char str[100];
int flag=1,i,j,l;

key=ftok("progfile",65);
msgid=msgget(key,0666|IPC_CREAT);
msgrcv(msgid,&message,sizeof(message),1,0);
printf("\nData received is %s",message.msg_text);
strcpy(str,message.msg_text);
l=strlen(str);
for(i=0,j=l-1;i<l/2;i++,j--)
{
if(str[i]!=str[j])
{
flag=0;
break;
}
}
if(flag==0)
{
printf("\nGiven string is not plindrome");
}
else
{
printf("\nGiven string is plindrome");
}
msgctl(msgid,IPC_RMID,NULL);
return;
}

```