**INTER PROCESS COMMUNICATION USING SHARED MEMORY**

**Program Code:**

**shwrite.c**

#include <sys/ipc.h>

#include <string.h>

#include <sys/shm.h>

#include <stdio.h>

#include<sys/types.h>

void main()

{ char s1[50],s2[50];

key\_t key = ftok("shmfile",65);

int shmid = shmget(key,1024,0666|IPC\_CREAT);

char \*s = (char\*) shmat(shmid,(void\*)0,0);

printf("Enter first string => ");

gets(s1);

printf("Enter second string => ");

gets(s2);

strcat(s1,s2);

strcpy(s, s1);

printf("\n The data is written to shared memory... \n\n");

shmdt(s);

}

**shread.c**

#include <sys/ipc.h>

#include <string.h>

#include <sys/shm.h>

#include <stdio.h>

#include<sys/types.h>

void main()

{

key\_t key = ftok("shmfile",65);

int shmid = shmget(key,1024,0666|IPC\_CREAT);

char \*s = (char\*) shmat(shmid,(void\*)0,0);

printf("\n Data that has been read from shared memory is ==> %s \n",s);

shmdt(s);

shmctl(shmid,IPC\_RMID,NULL);

}

**Output**

