**9. Illustrate the concept of inter-process communication using shared memory with a C program.**

Program:

#include<stdio.h>

#include<stdlib.h>

#include<unistd.h>

#include<sys/shm.h>

#include<string.h>

int main()

{

int i;

void \*shared\_memory;

char buff[100];

int shmid;

shmid=shmget((key\_t)2345, 1024, 0666|IPC\_CREAT);

printf("Key of shared memory is %d\n",shmid);

shared\_memory=shmat(shmid,NULL,0);

printf("Process attached at %p\n",shared\_memory);

printf("Enter some data to write to shared memory\n");

read(0,buff,100);

strcpy(shared\_memory,buff);

printf("You wrote : %s\n",(char \*)shared\_memory);

}