Ex: No: 5 Illustration of Interprocess Communication using Shared Memory

Date:

Aim:

To write a C program to implement inter process communication using shared memory.

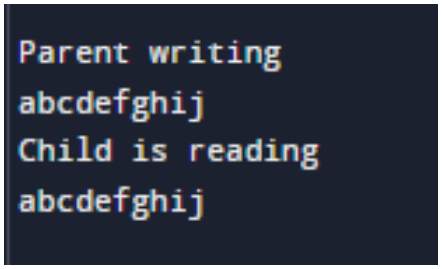
Algorithm:

Program:

```
#include<stdio.h>
#include<sys/shm.h>
#include<sys/ipc.h>
int main() {
int child,shmid,i;
char *shmptr;
//child=fork();
if(!child)
{
shmid=shmget(2041,32,0666|IPC_CREAT);
shmptr=shmat(shmid,0,0);
printf("\nParent writing\n");
for(i=0;i<10;i++)
{
   shmptr[i]='a'+i;
   putchar(shmptr[i]);
}
```

```
    }
shmid=shmget(2041,32,0666);
shmptr=shmat(shmid,0,0);
printf("\nChild is reading\n");
for(i=0;i<10;i++)
putchar(shmptr[i]);
shmdt(NULL);
shmctl(shmid,IPC_RMID,NULL);
return 0;
}
```

Output:



Result: