Ex. No.: 6

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## IPC USING SHARED MEMORY

Aim:

To write a C program to do Inter Process Communication (IPC) using shared memory between sender process and receiver process.

Algorithm:

## SENDER

1. Set the size of the shared memory segment

2. Allocate the shared memory segment using shmget

3. Attach the shared memory segment using shmat

4. Write a string to the shared memory segment using sprintf

5. Set delay using sleep

6. Detach shared memory segment using shmdt

## RECEIVER

1. Set the size of the shared memory segment

2. Allocate the shared memory segment using shmget

3. Attach the shared memory segment using shmat

- 4. Print the shared memory contents sent by the sender process.
- 5. Detach shared memory segment using shmdt

## **Program Code:**

import os
import sys
pipe-name = "home /osuser331/rec.fifo"
fifo = open lpipe-name, "r")
sming Recieved = fifo. read()
print ("sming Recieved.", shring Recieved)
fifo. close ()

Output:

pymon3 writer.py Enter string to write into pipe: Hello, world!

PYKNOR3 reader py string Roueved: Hello, world!

RESULT:

The programs were been executed and the output has been verified successfully.