

24/12/2020

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18M18CS153

Lab 7

DATE:

PAGE:

C program for interprocess communication between
reader process & writer process

writer process

```
#include <stdio.h>
```

```
#include <fcntl.h>
```

```
#include <sys/stat.h>
```

```
#include <sys/types.h>
```

```
#include <unistd.h>
```

```
int main() {
```

```
    int fd;
```

```
    char buf[1024];
```

```
    char *mytifo = "tmp/mytifo";
```

```
    mkfifo(mytifo, 0666);
```

```
    printf("Run Reader process to read the  
    fifo file\n");
```

```
    fd = open(mytifo, O_WRONLY);
```

```
    write(fd, "Hi", sizeof("Hi"));
```

```
    close(fd);
```

```
    unlink(mytifo);
```

```
remove
```

```
    return 0;
```

```
}
```

Reader process

```
#include <fcntl.h>
#include <sys/stat.h>
#include <sys/types.h>
#include <unistd.h>
#include <stdio.h>
#define MAX_BUF 1024
int main() {
    int fd;
    char *myfifo = "/tmp/myfifo";
    char buf[MAX_BUF];
    fd = open(myfifo, O_RDONLY);
    read(fd, buf, MAX_BUF);
    printf("Writer : %s\n", buf);
    close(fd);
    return 0;
}
```