

**(PROJECT PROPOSAL)**

**OPERATING SYSTEMS**

**TOPIC:**

**“Implementing Shared Files between two processes”**

Group Members:

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**OBJECTIVE:**

1. The objective is to understand how processes communicate with each other (IPC) via sharing files.
2. To identify and solve the problems that arises during Inter Process Communication (IPC)

**IMPLEMENTATION:**

The implementation of this is called the Producer – Consumer Problem.

The producer produces the information (by writing it on the file)

The consumer/s will consume the information (by reading it from the file)

We will need to make sure that all the information that is either written or read from the file is correct and no race condition arises (A condition where the consumer/s read the information before they are written or vice versa)

         writes  +-----------+  reads  
producer-------->| disk file |<-------consumer  
                 +-----------+

**Tools used:**

* Linux
* C Programming language & Standard Libraries.