

EXPERIMENT 9 :

IMPLEMENT SECOND READERS WRITERS PROBLEM (USING
PROCESS ALONG WITH PIPE AND MESSAGE)

PROGRAM

1. Compile the code :

Javac PipeChannel.java

```
n00b@ubuntu:~/NetworkingLab/EXP_9$ javac PipeChannel.java
n00b@ubuntu:~/NetworkingLab/EXP_9$
```

2. Run the program

```
n00b@ubuntu:~/NetworkingLab/EXP_9$ java PipeChannel
Enter number of Readers : -1
Enter number of Writers : -2
```

```
=====
Negetive value is not permitted
```

```
n00b@ubuntu:~/NetworkingLab/EXP_9$
```

```
n00b@ubuntu:~/NetworkingLab/EXP_9$ java PipeChannel
Enter number of Readers : 3
Enter number of Writers : 3
```

```
=====
[ writerProcess2 ] is executing
```

```
[ writerProcess1 ] is executing
```

```
[ writerProcess3 ] is executing
```

```
[ readerProcess3 ] is executing
```

```
[ readerProcess2 ] is executing
```

```
[ readerProcess1 ] is executing
```

```
n00b@ubuntu:~/NetworkingLab/EXP_9$
```

```
n00b@ubuntu:~/NetworkingLab/EXP_9$ java PipeChannel
Enter number of Readers : 3
Enter number of Writers : 4
```

```
=====

[ writerProcess2 ] is executing
[ writerProcess4 ] is executing
[ writerProcess3 ] is executing
[ readerProcess2 ] is executing
[ readerProcess1 ] is executing
[ writerProcess1 ] is executing
[ readerProcess3 ] is executing
n00b@ubuntu:~/NetworkingLab/EXP_9$
```

```
n00b@ubuntu:~/NetworkingLab/EXP_9$ java PipeChannel
Enter number of Readers : 4
Enter number of Writers : 3
```

```
=====

[ readerProcess2 ] is executing
[ writerProcess2 ] is executing
[ writerProcess3 ] is executing
[ readerProcess3 ] is executing
[ readerProcess4 ] is executing
[ readerProcess1 ] is executing
[ writerProcess1 ] is executing
n00b@ubuntu:~/NetworkingLab/EXP_9$
```