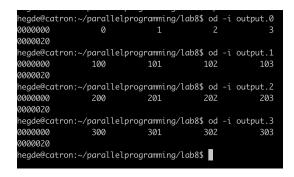
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## 1. File IO Samples

- 1. Done. Successfully executed with buffer size 4
- 2. There are 4 different files created for 4 processes. Same number of files are created as the number of processes. The output is as follows:



## Changed MPI\_COMM\_SELF to MPI\_COMM\_WORLD

When all the process tries to write the file in the same section, there is an error of bad file descriptor. The first process writes its content to the file and the other processes cannot write as all the process are accessing the same part of the file

```
hegde@catron:~/parallelprogramming/lab8$ mpirun -n 4 file-out output.all mca_fbtl_posix_pwritev: error in writev:Bad file descriptor mca_fbtl_posix_pwritev: error in writev:Bad file descriptor mca_fbtl_posix_pwritev: error in writev:Bad file descriptor hegde@catron:~/parallelprogramming/lab8$ od -i output.all.0 00000000 0 1 2 3 0000020 hegde@catron:~/parallelprogramming/lab8$
```

3. Done

## 2. Array IO Program

1. Finding the offset logic was a bit tricky for me. The program is running as expected.