

Exercise

- Do one of the following:
- Write a version of mkdir which supports the -p option.
- Write a large disk file in small pieces, say a 2 mbyte file in 16 byte chunks. Try this with `O_SYNC` turn on and with `O_SYNC` turned off. Repeat the experiment with chunks of size 32, 64, 128, ..., 1024, ..., 8192, Time how long it takes to complete each experiment (see `man time`) and produce a graph of the results (see `gnuplot`). Run the experiment on a node of class cluster when you are alone on that node. Submit your code and graph. An ideal solution would be a shell script which runs the C code and produce the plot automatically.