Unix File System: Reading and Writing

- *error*=read(*filedes, buffer, num_bytes*)
  - File descriptor maintains a *read-write pointer* pointing to an offset within file
  - read() reads *num_bytes* starting from that pointer (into buffer), and *automatically advances pointer by num_bytes*
  - error returns the number of bytes read/written, or 0 if EOF, or -1 if error (errno is set)
- *error*=write(*filedes, buffer, num_bytes*)
  - Writes from buffer into file at position pointer
  - Automatically advances pointer by *num_bytes*
- *pos*=lseek(*filedes, offset, whence*)
  - Moves read-write pointer to position offset within file
  - *whence* says whether offset absolute or relative (relative to current pointer)