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// Page.c ... operations on whole pages

#include <unistd.h>
#include <stdlib.h>
#include <stdio.h>
#include "Globals.h"
#include "Page.h"

void writePage(int file, int pageID, Page p)
{
    ssize_t written;
    size_t offset = pageID * sizeof(Page);
    lseek(file, offset, SEEK_SET);
    written = write(file, &p, sizeof(Page));
    if (written != sizeof(Page)) {
        fprintf(stderr, "Writing page %d failed\n", pageID);
        exit(1);
    }
}

int readPage(int file, int pageID, Page *p)
{
    ssize_t bytes_read;
    size_t offset = pageID * sizeof(Page);
    lseek(file, offset, SEEK_SET);
    bytes_read = read(file, p, sizeof(Page));
    return (bytes_read == sizeof(Page)) ? OK : NONE;
}
```