I/O SYSTEM CALLS (FCNTL, LSEEK, STAT, OPENDIR, READDIR)

```c
#include <stdio.h>
#include <fcntl.h>
#include <unistd.h>
#include <sys/stat.h>
#include <dirent.h>
int main() {
    int fd;
    struct stat st;
    struct dirent *de;
    DIR *dr;
    fd = open("testfile.txt", O_RDWR);
    printf("File Descriptor: %d\n", fd);
    int flags = fcntl(fd, F_GETFL);
    printf("File Flags: %d\n", flags);
    lseek(fd, 0, SEEK_END);
    printf("Pointer moved to end of file\n");
    stat("testfile.txt", &st);
    printf("File size: %ld bytes\n", st.st_size);
    dr = opendir(".");
    printf("Files in current directory:\n");
    while ((de = readdir(dr)) != NULL)
        printf("%s\n", de->d_name);
    closedir(dr);
    close(fd);
    return 0;
}
```