

INTRODUCTION TO UNIX AND THE KERN LAB

Type in the following program. We will use it in Lab #2.

* Data Section *

```
    ORG  $2000
OURDATA:
    DC.L  $1410
    DC.L  $3440
```

* Main Program *

```
    ORG  $1000

    LEA  OURDATA,A0
    MOVE.L  OURDATA,D0
    MOVE.L  #0,D0
    MOVE.L  #$FFFF0000,D0
    ADD.W   #$FFFF,D0
    CLR.L D1
    SUBQ #01,D1
    CLR.L D0
    MOVED1,D2
    CLR.W   D1
    CLR.B D2

    MOVE.L  #$AAAAAAAA,D3
    MOVE.B  D3,D4
    MOVE.W  D3,D4
    MOVE.L  D3,D4
    MOVEQ   #$77,D3
    MOVEQ   #$80,D4

    MOVEA.L  #Y,A0
    MOVEA.L  Y,A0
    LEA.L Y,A0

    SUBA.L   #Y,A0
    MOVEA.L  #0,A1
    LEA.L #0,A2
    MOVEA.L  #$80,A0
```

```
MOVEA.W    #$8000,A1
MOVEA.L    #$8000,A2
MOVEA.L    #0,A0
ADDA.B     #$80,A0
```

```
CLR.L D0
ADD.W      #$8000,D0
```

```
THATSIT    TRAP #0
END
```

Lab Report Format and Grading:

Your lab report will consist of simply two pages: a title page and a printout of the typed in program. A sample title page is in the 02_Notes97 printout.

Title Page

NOTE: Labs without a title page will not be graded. Each laboratory report submitted should have a title page which contains the following:

- Your name (typed) and a signature
- Lab assignment number (1 in this case) and title
- The following contractual statement:

By signing this page, I certify that this lab and the work described in the lab report is mine.

Program Listings

Listing of the typed in computer program. If you are working from a CWRUnet terminal this should be a snapshot of your computer screen. Include a copy of a ls listing of your directory. People using the Kern Lab will receive special instructions for printing.