

## TELEPHONE DIRECTORY

SETUP

VIEW

FIND

ADD

DEL

PRINT

These programs are designed to allow the user to keep a handy telephone directory on the 28S. The programs are all interactive with each other so it is necessary to enter them all in the calculator.

This database operates on four fields; first name, last name, phone number, and address, on the stack respectively. SETUP must be run before any of the others. It will create a file called PHONE that will contain all of the data used by the database. SETUP may also be run to clear the telephone directory and start over.

Following is a list of the programs and what they actually do:

SETUP - sets up a file containing the necessary data to be used.

VIEW - uses a search number (1-4) to find an entire field and allows the user to choose an entry in this field to search by.

## TELEPHONE DIRECTORY

FIND - uses a search number (1-4) and an entry found previously by executing VIEW, and finds the corresponding entries that were stored with the entry.

ADD - uses four entries from the stack (first name, last name, phone number, address) and stores them in the data file.

DEL - uses four entries from the stack (same as ADD) and deletes, or purges, them from the data file.

PRINT - prints all of the entries in the order that they were entered on an HP infrared printer.

Example 1: ADDing ~~entry~~

Put the first name, last name, phone number, and address on the ~~main~~ stack (all in quotes) and run ADD.

4: "JOHN"

3: "DOE"

2: "123-4567"

1: "505 WHAT ST."

ADD

## TELEPHONE DIRECTORY



### Example 2: VIEWing and FINDing

Put a search number on the stack corresponding to what is to be searched by:

|    |   |
|----|---|
| 3: |   |
| 2: |   |
| 1: | 2 |

- 1 = first name
- 2 = last name
- 3 = phone number
- 4 = address

#### VIEW

A list of last names will now appear in the boxes on the bottom of the screen. Press NEXT to scroll thru the last names. Choose the last name to be searched by by Pressing the key corresponding to the right box. Now press USER to return to the program menu and then execute FIND.

|    |       |
|----|-------|
| 3: |       |
| 2: | 2     |
| 1: | "DOE" |

#### FIND

~~All of the~~ <sup>The first</sup> persons with the last name DOE will be searched for and shown on the screen. Press ENTER to search for another person with last name Doe. If there are no more Doe's, the program will end.

# TELEPHONE DIRECTORY

```

SETUP
< CLLCD
"  SETUP NEW 'PHONE'"
2 DISP
"  FILE...[Y/N] ?"
3 DISP
DO
  UNTIL KEY
  END "Y" SAME
  IF 1 SAME
  THEN < > 'PHONE'
STO ABORT
ELSE ABORT
END
>

```

```

FIND
< + s n
< 'PHONE' RCL
LIST+ + 1
< 1 1
  START DUP s
GET
  IF n =
  THEN DROP
  ELSE LIST+
DROP CLLCD 4 DISP 3
DISP " " SWAP + + 1
DISP
  DO
  UNTIL KEY
  END DROP
END
NEXT CLMF
>
>
>

```

```

VIEW
< + s
< 'PHONE' RCL
LIST+ + d
<
  IF d 0 ==
  THEN CLEAR
  ELSE 1 d
    START s GET
d ROLLD
  NEXT d +LIST
MENU s
  END
>
>
>

```

```

ADD
< 4 +LIST 1 +LIST
'PHONE' RCL SWAP +
'PHONE' STO
>

```

# TELEPHONE DIRECTORY

DEL

« 4 +LIST 'PHONE'

RCL DUP 3 ROLLO SWAP

POS' SWAP DUP SIZE 3

ROLL + p s

« LIST+ 1 + p -

ROLL DROP s 1 -

+LIST 'PHONE' STO

»

»

PRINT

« 'PHONE' RCL LIST+

1 SWAP

START LIST+ DROP

CLLCD 4 DISP 3 DISP

" " SWAP + + 1 DISP

PRLCD CR CR

NEXT CR CR CLMF

»