Lab 2 Report

Here are screenshots of my initial run of PHONEADD

```
<u>M</u>enu <u>L</u>ist M<u>o</u>de <u>F</u>unctions <u>U</u>tilities <u>H</u>elp
                                                   ISPF Command Shell
 Enter TSO commands below:
 ===> CALL COBOL.LOAD(PHONEADD)
 Place cursor on choice and press enter to Retrieve command
=> CALL COBOL.LOAD(PHONEADD)
=> ALLOC DA(PHBOOK) FI(PHONBOOK) MOD REUSE
=> CALL COBOL.LOAD(PHONELST)
=> LISTDS PHONE MEMBERS
=> COPY FROM('KC02791.PHONE') TO('KC03C55.PHONE')
JRSO_
904-373-6346
```

Here is the output of PHONELST with some additional entries in it

```
Menu List Mode Functions Utilities Help

ISPF Command Shell

Enter TSO commands below:

===> CALL COBOL.LOAD(PHONELST)

Place cursor on choice and press enter to Retrieve command

=> CALL COBOL.LOAD(PHONEADD)

=> CALL COBOL.LOAD(PHONEADD)

=> CALL COBOL.LOAD(PHONEADD)

=> CALL COBOL.LOAD(PHONEST)

=> ALLOC DA(PHBOOK) FI(PHONBOOK) MOD REUSE

=> LISTDS PHONE MEMBERS

=> COPY FROM('KC02791.PHONE') TO('KC03C55.PHONE')

=>

=>

Last Name:URSO

First:

NO:904-373-6346

Last Name:LAW

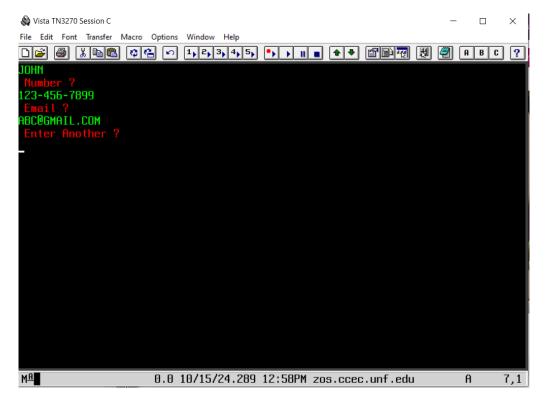
First:

NO:904-703-2657

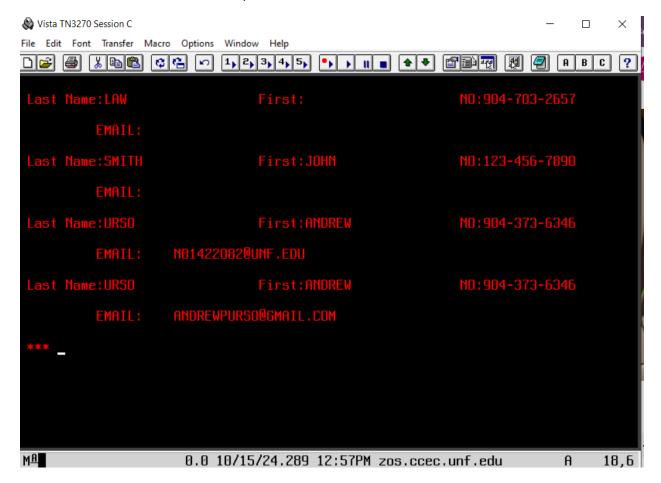
****
```

My first names were not entered correctly because I was pressing enter to submit at the wrong time but this problem will be fixed as I grow the data file.

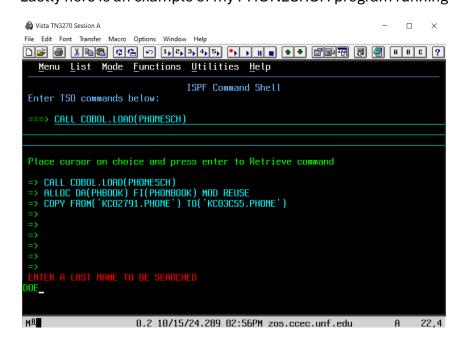
Here is my PHONEADD program now that I added email support

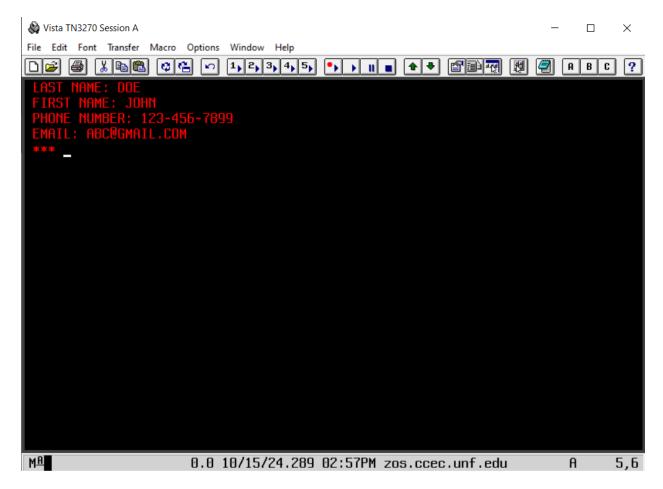


And here is the output of PHONELST with a more records added



Lastly here is an example of my PHONESRCH program running





It searches the record by last name, and then outputs all records containing this last name.

Here is my source code for PHONEADD

```
* which is required for our record sizes

* using default DS Allocation in OUR z/OS Environment

DATA DIVISION.

FILE SECTION.

FD PHONE-FILE RECORDING MODE F

LABEL RECORDS ARE STANDARD.

81 PHONE-RECORD.

85 PHONE-LAST-NAME PIC X(28).

85 PHONE-FIRST-NAME PIC X(28).

85 PHONE-NUMBER PIC X(25).

85 PHONE-NUMBER PIC X(25).
```

For this program, I need to add a prompt for email and a variable for email in the PHONE-RECORD. Lastly, I displayed the prompt and accepted the variable in the get-fields procedure.

Here is my source code for PHONLIST

```
EXECUTION OF TRANSPORT AND ADDRESS OF TRANSPOR
```

For this program, I added in a prompt for the email and a variable to read in the email from PHONE-RECORD so I could display it.

This is my PHONECMP JCL

To fix my JCL I just copied the statements that handled phone list, and replaced PHONELST with PHONESRCH, and placed the statements under PHONELST's compilation.

Lastly, here is my code for PHONESRCH

In this code I modified your search program to read in a phone record instead of a sentence, and the check to see if the supplied last name matches any last names in the phone record.

Questions/Feedback

 A PDS is a partitioned data set, this is very useful for mainframe developers as they allow for easy reading and manipulation of stored data. In a business use-case, this would be a great way to store credit card transactions. 2. Two additional options that can be passed in to ALLOC are SHR and OLD. These options determine whether or not exclusive control of the dataset is required.

Operands

ddname

Specifies the data definition name.

dsname

Specifies the fully qualified dataset name.

member

Specifies the member name in the dataset.

SHR

The dataset exists but exclusive control is not required.

OLD

The dataset exists and exclusive control is required.

- 3. LISTA is short for the clist command, unfortunately I could not figure out how to run the command
 - 4. The unabbreviated form of the ALLOC command is ALLOCATE