

Assignment 1

Aim - Write a program to implement an address book with options like -
 1) Create, 2) View, 3) Insert, 4) Delete, 5) Modify 6) Exit

Objective - Helps understand basic commands in Unix/Linux

Theory - What is shell scripting?

The linux command line is itself a program the shell. Most linux distributions use this

To run scripts we make it executable and then invoke script name - `chmod +x script.sh`

read - Take input from user, using cmd arguments like `$1, $2, ...`

Conditions -

IF

```
if ( )
then
else/elif
fi
```

Numeric comparison -

```
$? test $x -eq $y; echo $?
```


Algorithm -

PART A -

- 1) Read filename
- 2) Insert record:
 - 1) Read student info
 - 2) Calc. percentage
 - 3) Return percent.
 - 4) Insert values
- 3) Search roll no. using grep fn
- 4) Delete - search roll no., delete the found record.

File tests -

if [! -e \$1] then
 echo "File not exist"

fi

file exists

- r readable
- w writable
- x executable

Conclusion -

Concepts of shell programming introduced,
applied for address book creation.