**Project one pseudocode for PresidentMDrvr class**

PresidentMDrvr(maxSize)

Set myPresidents array equal to new Presidents class of maxSize

add(Presidents president)

increment each President of myPresidents array by one

displayPresidents()

Loop through the length myPresidents array

print index of myPresidents array to string

sortByName()

Loop through the length myPresidents array

Loop again the length myPresidents array minus one

if

myPresidents array indexB getName compare to myPresidents array indexB plus one getName is greater than 0.

swap indexB, indexB plus one

sortBy Number()

Loop through the length myPresidents array

Loop again the length myPresidents array minus one

if

myPresidents array indexB getNumber compare to myPresidents array indexB plus one getNumber is greater than 0.

swap indexB, indexB plus one

swap(pos1, pos2)

Set myPresidents array pos1 equal to temporary

set array pos1 equal to pos2

set temporary equal to pos2

sequentialSearch(search)

Set count equal to zero

Set Boolean variable equal to false

Loop through the length myPresidents array

If myPresidents party in array equals my search value

Increment count

Boolean variable equals true

End loop

If Boolean variable equals true

Print search argument found and count

Else

Print search argument not found

binarySearch(searchKey [], currentTarget)

Set searchString equal to searchKey array with the currentTarget as the index

Set lowerBound equal to zero

Set upperBound equal to array length minus one

Set count equal to zero

Set curIn

Sort presidents by name

While true

Increment count

Set curIn equal to lowerBound plus upperBound the divide by 2

If curIn in myPresidents array.getName compare to the searchString equal equal zero

Print searchString found and count

Return curIn

Else if lowerBound is greater than upperBound

Print searchString not found and count

Return curIn

Else

If curIn in myPresidents array.getName compare to the searchString is less than zero

Set lowerBound equal to curIn plus one

Else

Set upperBound equal to curIn minus one

End While