**MAIN**

END

start

CALL Selectionsort(array,startIndwx,MAX)

READ MAX

READ ARRAY

READ startIndex

START

**SelectionSort Fuction**

START

FindMin(startIndex,MAX,minIndex)

CALL Selectionsort(array,startIndwx,MAX)

minIndex = startInex

stop

startIndex>=MAX-1

yes

no

SWAP(startIndex,MinIndex)

END

Return to Main

**FindMIN FUCTION**

START

index=startIndex+1

END

Return to SelectionSort

minIndex=index

ARRAT[Index] <ARRAY[minIndex]

Index <MAX

No

Yes

no

Yes

**SWAP FUCTION**

START

END

Return to SelectionSort

temp = array[startIndex]

array[startIndex] = array[minIndex]

array[minIndex] = temp