Module main()

//Declare integer array list

ArrayList<Integer> numbers = new ArrayList<>()

//Define user input

Display "Please enter 5 numbers: "

//For loop to gather 5 numbers using scanner

For (int i = 0; i <= 4; i++)

Input ArrayList<Integer> numbers

End for

//Call "sort" method

sort(numbers)

//Display sorted list

Display "Sorted list of numbers in increasing order:"

Display ArrayList<Integer> numbers

End module main

//Method to sort an array list

Module sort(ArrayList<Integer> list)

For (Int i = 0; i < list.size() - 1; i++) {

//Find the minimum in the list

Int currentMin = list.get(i)

Int currentMinIndex = i

For (Int j = i + 1; j < list.size(); j++)

If (currentMin > list.get(j))

currentMin = list.get(j)

currentMinIndex = j

End if

End for

//Swap if necessary

If (currentMinIndex != i)

list.set(currentMinIndex, list.get(i))

list.set(i, currentMin)

End if

End for

End module sort