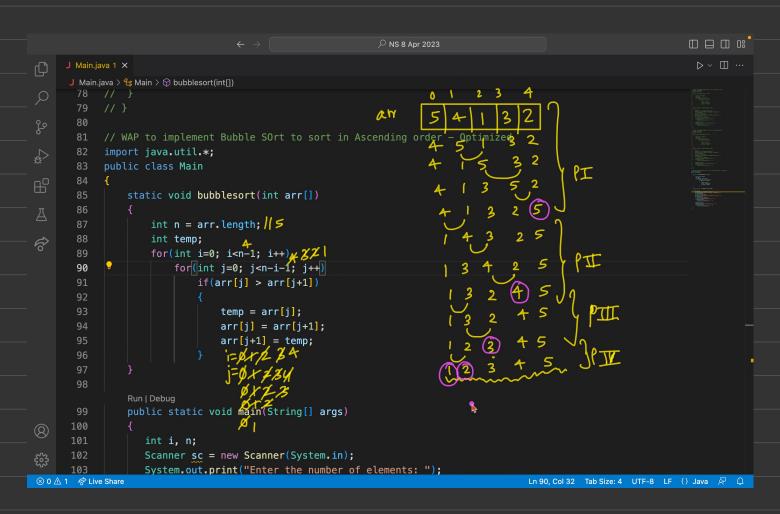
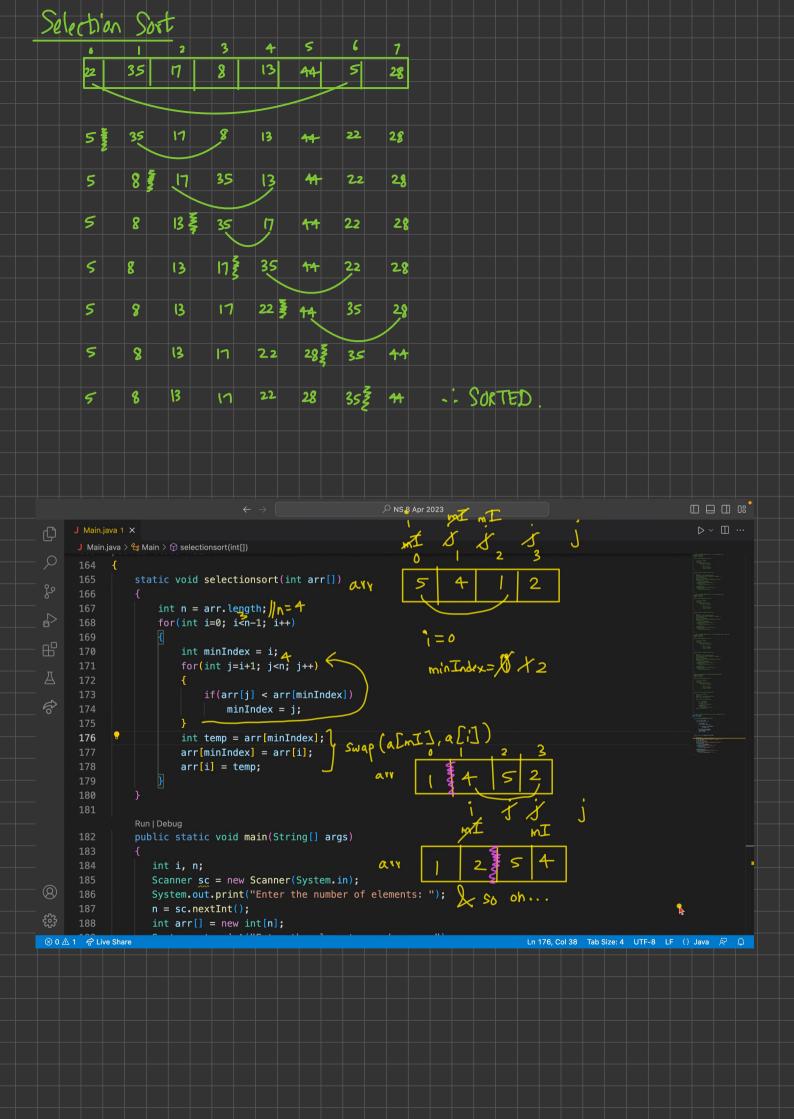
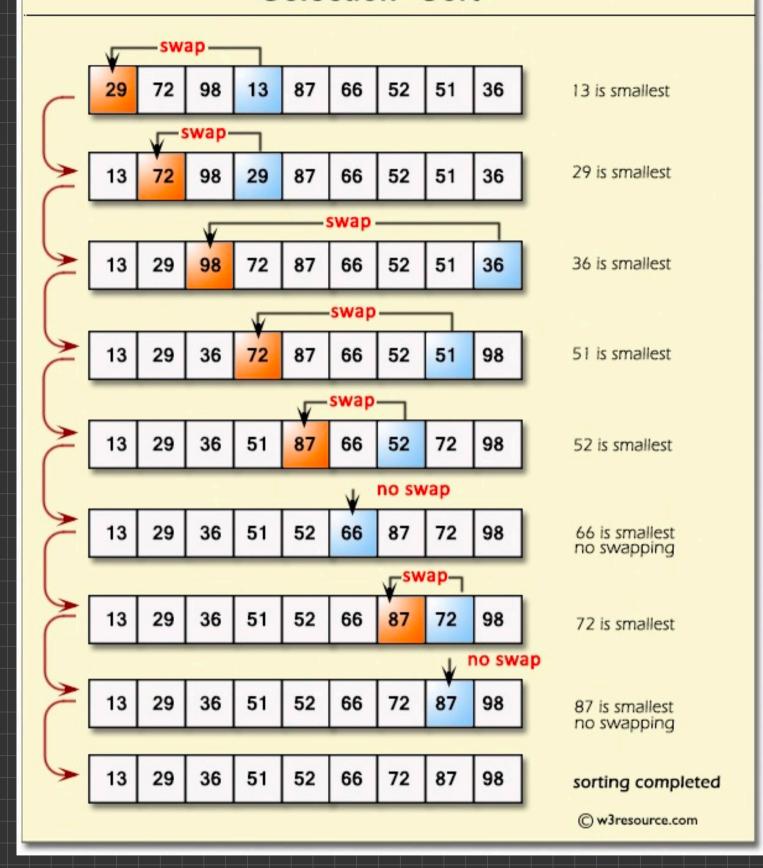


```
J Main.java 1 X
       J Main.java > 😭 Main > ♀ bubblesort(int[])
        1 // WAP to implement Bubble SOrt to sort in Ascending order
            public class Main
                                                           KYY
                static void bubblesort(int arr[])
                                                                     6
                                                                                                   PI
                    int n = arr.length; #5
        8
                    int temp;
                    for(int i=0; i<n-1; i++)
                        for(int j=0; j<n-1; j++) j=1/3/3/4
                                                                                                        II'
                            if(arr[j] > arr[j+1])
                                temp = arr[j];
                                arr[j] = arr[j+1];
                               arr[j+1] = temp;
                public static void main(String[] args)
                   Scanner sc = new Scanner(System.in);
                   System.out.print("Enter the number of elements: ");
                   n = sc.nextInt();
                   int arr[] = new int[n];
System out print("Enter the elements one by one: "):
                                                                                    Ln 8, Col 18 Tab Size: 4 UTF-8 LF {} Java 👨 🚨
```





Selection Sort



Selection sort is a simple sorting algorithm. This sorting algorithm is an in-place comparison-based algorithm in which the list is divided into two parts, the sorted part at the left end and the unsorted part at the right end. Initially, the sorted part is empty and the unsorted part is the entire list.

The smallest element is selected from the unsorted array and swapped with the leftmost element, and that element becomes a part of the sorted array. This process continues moving unsorted array boundary by one element to the right.

