**Arrays IMP Code**

1. Insertion Sort

**Code:**

*static void* selectionSort(*int* [] arr,*int* n) {  
 *for*(*int* i=0; i<n-1; i++) {  
 *int* smallest = i;  
 *for*(*int* j=i+1; j<n; j++) {  
 *if*(arr[j] < arr[smallest]) {  
 smallest = j;  
 }  
 }  
 *//swap  
 int* temp = arr[smallest];  
 arr[smallest] = arr[i];  
 arr[i] = temp;  
 }  
 printArray(arr);  
}  
  
*static void* printArray(*int*[] arr){  
 *for* (*int* i = 0; i < arr.length; i++) {  
 System.out.print(arr[i]+" ");  
 }  
}

2.Selection Sort

**Code:**

*static void* selectionSort(*int* [] arr,*int* n) {  
 *for*(*int* i=0; i<n-1; i++) {  
 *int* smallest = i;  
 *for*(*int* j=i+1; j<n; j++) {  
 *if*(arr[j] < arr[smallest]) {  
 smallest = j;  
 }  
 }  
 *//swap  
 int* temp = arr[smallest];  
 arr[smallest] = arr[i];  
 arr[i] = temp;  
 }  
 printArray(arr);  
}

3.Bubble Sort

**Code:**

***static void* bubbleSort(*int*[] arr,*int* n){  
 *for*(*int* i=0; i<arr.length-1; i++) {  
 *for*(*int* j=0; j<arr.length-i-1; j++) {  
 *if*(arr[j] > arr[j+1]) {  
 *//swap  
 int* temp = arr[j];  
 arr[j] = arr[j+1];  
 arr[j+1] = temp;  
 }  
 }  
 }  
  
 printArray(arr);  
}**