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//Java program for an Array using all functions with Method and Object
import java util Scanner;
class MyArrMeth{
  void displayArr(int[] a){//meth-1
    for(int i=0;i<a.length;i++){</pre>
       System.out.println("a["+i+"]:"+a[i]);
  }//meth-1-
  int[] bubbleSort(int[] a){//meth-2 bubble
    int temp;
    for(int i=0;i<a.length;i++){</pre>
       for(int j=0;j<a.length-1;j++){
         if(a[j]>a[j+1]){
           temp=a[j];
           a[i]=a[i+1];
           a[j+1]=temp;
         }
      }
    }
    return a;
  }//meth-2 bubble sort----
  int searchArr(int[] a,int ele){//linear search
    int i=0;
    for(i=0;i<a.length;i++){</pre>
       if(a[i]==ele){}
         return i;
    }
    return -1;
  }//meth-3
  int sumArr(int[] a){//meth-3----
    int sum=0;
    /*write
     * missisna
     * code to find sum of all array elements
    return sum;
  }//meth-4
  double avgArr(int[] a){//meth-4----
    double avg=0.0;
    /*write the
     * missisng
     * code to find avg of all array elements
    return avg;
  }//meth-4
public class MyMainClass {
  public static void main(String[] args) {
    Scanner sc=new Scanner(System.in);
    int[] a=new int[5];
    System.out.println("len="+a.length);
    for(int i=0;i<a.length;i++){</pre>
       System.out.print("enter a[i]:");
       a[i]=sc.nextInt();
    MyArrMeth arm=new MyArrMeth();
    arm.displayArr(a);//call meth-1
    //bubble sort
    arm.bubbleSort(a);//call meth-2
    System.out.println("bubble sort:");
    arm.displayArr(a);//call meth-1
    System.out.print("enter a element to search:");
    int ele=sc.nextInt();
    int index=arm.searchArr(a, ele);//call meth-3
    System.out.println(ele+" found at index:"+index);
    int sum=arm.sumArr(a);//call meth-4
    //System.out.println("sum="+arm.sumArr(a));
    /*write the missing code to call avgArr() */ //call meth-5
}
```