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1. program to take input of two integer arrays from the user and to find the sum of both the arrays.

Sort the elements of the resultant array in ascending order using selection sort

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2.program to take input of Two arrays and store the similar elements into the resultant array.

sort the resultant array in ascending order using bubble sort.

NOTE: there must at least be 6 similar elements.

similar elements= the elements occurring in both the arrays.

**import** java.util.Scanner;

**class** SimilarSort

{

**public** **static** **void** bubbleSort(**int** arr[], **int** len)

{

**int** temp;

**for** (**int** i = 0; i < len-1; i++)

**for** (**int** j = 0; j < len-i-1; j++)

{

**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***.println("Enter the array size");

**int** size=sc.nextInt();

**int** arr1[]=**new** **int**[size];

**int** arr2[]=**new** **int**[size];

**int** arr3[]=**new** **int**[size];

**int** count=0;

System.***out***.println("Enter the first array elements");

**for**(**int** i=0;i<size;i++)

{

arr1[i]=sc.nextInt();

}

System.***out***.println("Enter the Second array elements");

**for**(**int** i=0;i<size;i++)

{

arr2[i]=sc.nextInt();

}

**for**(**int** x=0;x<size;x++)

{

**for**(**int** y=0;y<size;y++)

{

**if**(arr1[x]==arr2[y])

{

arr3[count]=arr2[y];

count++;

}

}

}

*bubbleSort*(arr3,count);

System.***out***.println("3rd array elements are");

**for**(**int** k=0;k<count;k++)

{

System.***out***.print(arr3[k]+" ");

}

}

}

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3.program to take input two arrays and store the dissimilar elements into a resultant array.

sort the resultant array in a descending order using bubble sort.

dissimilar elements= the elements not occurring in both the arrays.(unique elements)

import java.util.\*;

class DissimilarSort

{

void bubbleSort(int[] arr3)

{

int n=arr3.length;

for(int i=0;i<n-1;i++)

{

for(int j=0;j<n-i-1;j++)

{

if(arr3[j]>arr3[j+1])

{

int temp=arr3[j];

arr3[j]=arr3[j+1];

arr3[j+1]=temp;

}

}

}

}

void printArray(int arr3[])

{

int n=arr3.length;

for(int i=0;i<n;++i)

{

System.out.print(arr3[i]+ " ");

}

System.out.println();

}

public static void main(String[] args)

{

System.out.println("Enter the Size of Array : ");

Scanner sc=new Scanner(System.in);

int size = sc.nextInt();

int arr1[]=new int[size];

int arr2[]=new int[size];

System.out.println("Enter the elements of Array 1");

for(int i=0;i<size;i++)

{

arr1[i]=sc.nextInt();

}

System.out.println("Enter the elements of Array 2");

for(int i=0;i<size;i++)

{

arr2[i]=sc.nextInt();

}

int arr3[]=new int[size];

System.out.println("Dissimilar Elements is: ");

for(int i=0;i<size;i++)

{

for(int j=0;j<size;j++)

{

if(arr1[i] != arr2[j])

{

arr3[i]=arr1[i];

System.out.println(arr3[i]);

}

}

}

//Sorting//

DissimilarSort ob=new DissimilarSort();

ob.bubbleSort(arr3);

System.out.println("Sorted Array");

ob.printArray(arr3);

}

}

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4. Implement Array List and add, remove, elements in the Array List and perform sorting of the elements using the iterator.

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5. Implement LinkedList and add, remove, elements in the LinkedList and perform sorting of the elements using the iterator.

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