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BRANCH – BTECH CSE

SEC = 13 A

UID -20BCS2761

SUB- JAVA LAB MST

Given two integer arrays. merge the common elements into a new array. find the sum of the elements

input1:{1,2,3,4}

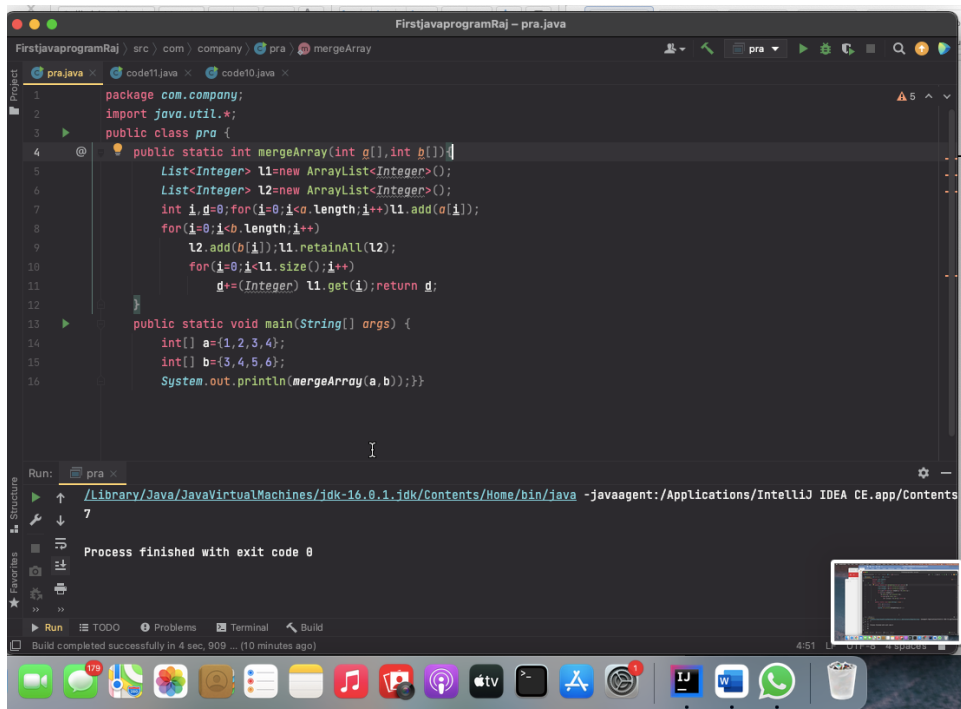
input2:{3,4,5,6}

logic:{3,4}

output:7

Solution

Code in compiler



```
FirstjavaprogramRaj - pra.java
FirstjavaprogramRaj | src | com | company | pra | mergeArray
pra.java | code11.java | code10.java
1 package com.company;
2 import java.util.*;
3 public class pra {
4     @ public static int mergeArray(int g[],int b[]){
5         List<Integer> l1=new ArrayList<Integer>();
6         List<Integer> l2=new ArrayList<Integer>();
7         int i,d=0;for(i=0;i<a.length;i++)l1.add(a[i]);
8         for(i=0;i<b.length;i++)
9             l2.add(b[i]);l1.retainAll(l2);
10        for(i=0;i<l1.size();i++)
11            d+=(Integer) l1.get(i);return d;
12    }
13    public static void main(String[] args) {
14        int[] a={1,2,3,4};
15        int[] b={3,4,5,6};
16        System.out.println(mergeArray(a,b));}
Run: pra
/Library/Java/JavaVirtualMachines/jdk-16.0.1.jdk/Contents/Home/bin/java -javaagent:/Applications/IntelliJ IDEA CE.app/Contents
7
Process finished with exit code 0
Build completed successfully in 4 sec, 909 ... (10 minutes ago)
4:51
```

Code in text –

```
package com.company;
import java.util.*;
public class pra {
    public static int mergeArray(int a[],int b[]){
        List<Integer> l1=new ArrayList<Integer>();
        List<Integer> l2=new ArrayList<Integer>();
        int i,d=0;for(i=0;i<a.length;i++)l1.add(a[i]);
        for(i=0;i<b.length;i++)
            l2.add(b[i]);l1.retainAll(l2);
        for(i=0;i<l1.size();i++)
            d+=(Integer) l1.get(i);return d;
    }
    public static void main(String[] args) {
        int[] a={1,2,3,4};
        int[] b={3,4,5,6};
        System.out.println(mergeArray(a,b));}
}
```

```
Package com.company;
import java.util.*;
public class pra {
    public static int mergeArray(inta[],
        int b[]){
        list<Integer> l1=new ArrayList<Integer>
            ();
        list<Integer> l2=new ArrayList<Integer>();
        int i,d=0;for(i=0;i<a.length;i++)l1.add
            (a[i]);
        for (i=0;i<b.length;i++)
            l2.add(b[i]);l1.retainAll(l2);
        for (i=0;i<l1.size();i++)
            d+=(Integer) l1.get(i);
        return d;
    }
    public static void main (string[] args){
        int [] a = { 1,2,3,4 };
        int [] b = { 3,4,5,6 };
        sout (mergeArray (a,b));
    }
}
```