**AFARI JESSE**

**P191301**

**LAB FOUR**

**TASK 1**

package lab4;

import java.util.Arrays;

import java.util.Scanner;

public class sumandrev {

public static void main(String[] args) {

Scanner sc=new Scanner(System.in);

int n,i,j;

System.out.print("Enter number of elements in array\n");

n=sc.nextInt();

int arr[] = new int[n];//assigns the number of elements to array size

int revarr[] = new int[n];

int sumarr[]= new int[n];

//for loop for accepting elements in array

System.out.print("Enter elements into array\n");

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

arr[i]=sc.nextInt();

}

System.out.print("Array contains: "+Arrays.toString(arr));

//reverse array

int r=n;

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

revarr[r-1]=arr[i];

r=r-1;

}

System.out.print("\nReversed Array: "+Arrays.toString(revarr));

//sum

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

sumarr[i]=revarr[i]+arr[i];

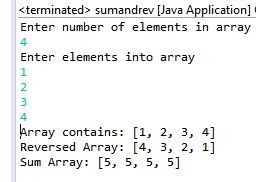
}

System.out.print("\nSum Array: "+Arrays.toString(sumarr));

}

}

**OUTPUT**

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**TASK 2**

package lab4;

import java.util.Arrays;

import java.util.Scanner;

public class secondmaxmin {

public static void main(String[] args) {

Scanner sc=new Scanner(System.in);

int n,i,j;

System.out.print("Enter number of elements in array\n");

n=sc.nextInt();

int arr[] = new int[n];//assigns the number of elements to array size

//for loop for accepting elements in array

System.out.print("Enter elements into array\n");

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

arr[i]=sc.nextInt();

}

System.out.print("Array contains: "+Arrays.toString(arr));

//max

int sndmax=arr[0];

int max=arr[0];

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

if (arr[i]>max) {

sndmax=max;

max=arr[i];

}

else if(arr[i]>sndmax) {

sndmax=arr[i];

}

}

System.out.print("\nSecond max is : "+sndmax);

//

int smallest = Integer.MAX\_VALUE;;

int secondSmallest =Integer.MAX\_VALUE;;

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

if(arr[i]==smallest){

secondSmallest=smallest;

} else if (arr[i] < smallest) {

secondSmallest = smallest;

smallest = arr[i];

} else if (arr[i] < secondSmallest) {

secondSmallest = arr[i];

}

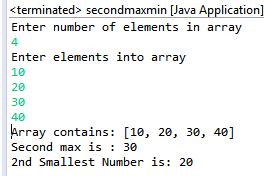
}

System.out.print("\nSmallest Number is: "+secondSmallest);

}

}

**OUTPUT**



**TASK 3**

package lab4;

import java.util.Arrays;

import java.util.Scanner;

public class mult5 {

public static void main(String[] args) {

Scanner sc=new Scanner(System.in);

int n,i,j;

System.out.print("Enter number of elements in array\n");

n=sc.nextInt();

int arr[] = new int[n];//assigns the number of elements to array size

//for loop for accepting elements in array

System.out.print("Enter elements into array\n");

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

arr[i]=sc.nextInt();

}

System.out.print("Array contains: "+Arrays.toString(arr));

//mult 5

int multarr[] = new int[n];

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

if (arr[i]%5!=0) {

multarr[i]=arr[i];

}

}

System.out.print("\nNot multiples of 5 Array: "+Arrays.toString(multarr));

}

}

**OUTPUT**

