

**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No.: 5**

**Aim**

Array operations

**PROCEDURE**

1. Program to print the elements of an array

public class Array{

public static void main(String args[]){

int [] arr=new int[]{1,2,3,4,5};

System.out.println("The elements are:");

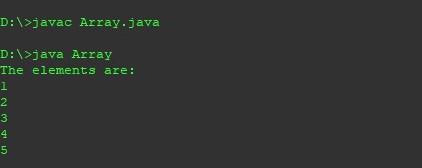
for(int i=0;i<arr.length;i++){

System.out.println(arr[i]+" ");

}

}

}



1. 2. Program to print the largest element in an array.

public class Largest{

public static void main(String args[]){

int [] arr=new int[]{1,22,3,14,5};

System.out.println("The elements are:");

for(int i=0;i<arr.length;i++){

System.out.println(arr[i]+" ");

}

int max=arr[0];

for(int i=0;i<arr.length;i++){

if (arr[i]>max)

max=arr[i];

}

System.out.println("largest element is: "+max);

}

}



1. 3. Program to print the sum of all the items of the array.

public class SumArray{

public static void main(String args[]){

int []arr=new int[]{22,3,4,51};

System.out.println("The elements are:");

for(int i=0;i<arr.length;i++){

System.out.println(arr[i]+" ");

}

int sum=0;

for(int i=0;i<arr.length;i++){

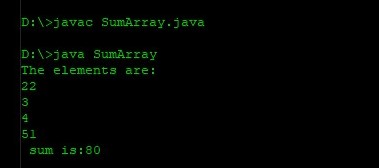
sum=sum+arr[i];

}

System.out.println(" sum is:"+sum);

}

}



1. 4. Program to sort the elements of an array in ascending order.

public class AscendingArray{

public static void main(String args[]){

int i;

int []arr=new int[]{22,3,4,51};

System.out.println("The elements are:");

for(i=0;i<arr.length;i++){

System.out.println(arr[i]+" ");

}

int temp=0;

for(i=0;i<arr.length;i++){

for(int j=i+1;j<arr.length;j++){

if(arr[i] > arr[j]) {

temp = arr[i];

arr[i] = arr[j];

arr[j] = temp;

}

}

}

System.out.println(" ascending order: ");

for ( i = 0; i < arr.length; i++) {

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

}

}

}



1. 5. Program to print the elements of an array in reverse order.

public class ReverseArray{

public static void main(String args[]){

int i;

int []arr=new int[]{22,3,4,51};

System.out.println("The elements are:");

for(i=0;i<arr.length;i++){

System.out.println(arr[i]+" ");

}

System.out.println("Reverse of the array is:");

for(i=arr.length-1;i>=0;i--){

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

}

}

}

