**Arrays**

**1. Write a program to find the index of an array element**

public class ArrayExample {

public static void main(String[] args) {

int[] numbers = {4, 9, 7, 3, 2, 8};

int element = 2;

int index = -1;

int i = 0;

while(i < numbers.length) {

if(numbers[i] == element) {

index = i;

break;

}

i++;

}

System.out.println("Index of "+element+" is : "+index);

}

}

Output

Index of 2 is : 4

**2. Write a program to remove the duplicate elements and return the new array**

public class RemoveDuplicateInArrayExample{

public static int removeDuplicateElements(int arr[], int n){

if (n==0 || n==1){

return n;

}

int[] temp = new int[n];

int j = 0;

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

if (arr[i] != arr[i+1]){

temp[j++] = arr[i];

}

}

temp[j++] = arr[n-1];

// Changing original array

for (int i=0; i<j; i++){

arr[i] = temp[i];

}

return j;

}

public static void main (String[] args) {

int arr[] = {10,20,20,30,30,40,50,50};

int length = arr.length;

length = removeDuplicateElements(arr, length);

//printing array elements

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

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

}

}

Output

$javac RemoveDuplicateInArrayExample.java

$java -Xmx128M -Xms16M RemoveDuplicateInArrayExample

10 20 30 40 50