Arrays:

1.

public class Main

{

public static void main(String[] args) {

int[] a=new int[]{1,2,3,4,5,6,7,8,9,10};

int sum=0;

for(int i=0;i<10;i++){

sum=sum+a[i];

}

int avg=sum/10;

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

System.out.println("Avg: "+avg);

}

}

2.

public class Main

{

public static void main(String[] args) {

int[] a=new int[]{1,2,3,4,5,6,7,8,9,10};

int max=-9999,min=9999;

for(int i=0;i<10;i++){

max=(max<a[i])?a[i]:max;

min=(min>a[i])?a[i]:min;

}

System.out.println("Max: "+max);

System.out.println("Min: "+min);

}

}

3.

public class Main

{

public static void main(String[] args) {

int[] a=new int[]{1,2,3,4,5,6,7,8,9,10};

int ch=11;

int f=-1;

for(int i=0;i<10;i++){

if(ch==a[i]){

f=i;

break;

}

}

System.out.println(f);

}

}

4.

public class Main

{

public static void main(String[] args) {

int[] a=new int[]{65,66,67,68,69,70};

for(int i=0;i<5;i++){

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

}

}

}

5.

public class Main

{

public static void main(String[] args) {

int[] a=new int[]{1,2,3,4,5,6,7,8,9,10};

int max1=-9999,min1=9999;

int max2=-99999,min2=9999;

for(int i=0;i<10;i++){

if(a[i]>max2){

max2=max1;

max1=a[i];

}

if(a[i]<min2){

min2=min1;

min1=a[i];

}

}

System.out.println("Max1: "+ max1);

System.out.println("Max2: "+ max2);

System.out.println("Min1: "+ min1);

System.out.println("Min2: "+ min2);

}

}

6.

import java.util.Arrays;

public class Main

{

public static void main(String[] args) {

int[] arr={3,4,8,1,2,5,9};

Arrays.sort(arr);

for(int i:arr){

System.out.print(i+" ");

}

}

}

7.

import java.util.Arrays;

public class Main

{

public static void main(String[] args) {

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

int temp[]=new int[100];

Arrays.fill(temp,0);

for(int i=0;i<7;i++){

int t=arr[i];

temp[t]++;

}

for(int i=0;i<7;i++){

if(temp[arr[i]]>0){

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

temp[arr[i]]=0;

}

}

}

}

8.

import java.util.Arrays;

public class Main

{

public static void main(String[] args) {

int[] arr=new int[]{1,6,4,7,9};

int sum=0;

int f=1;

for(int i=0;i<5;i++){

if(f==1){

if(arr[i]==6){

f=0;

continue;

}

else{

sum+=arr[i];

}

}

if(arr[i]==7){

f=1;

}

}

System.out.println(sum);

}

}

9.

import java.util.Arrays;

public class Main

{

public static void main(String[] args) {

int[] arr={1, 10, 10, 2};

int count=0;

int[] arr\_new=new int[4];

Arrays.fill(arr\_new,0);

int j=0;

for(int i=0;i<4;i++){

if(arr[i]!=10){

arr\_new[j++]=arr[i];

}

}

for(int i=0;i<4;i++){

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

}

}

}

10.

import java.util.Arrays;

public class Main

{

public static void main(String[] args){

int[] arr={3, 3, 2};

int[] temp=new int[3];

int j=0;

for(int i=0;i<3;i++){

if(arr[i]%2==0){

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

}

}

for(int i=0;i<3;i++){

if(arr[i]%2!=0){

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

}

}

for(int i:temp){

System.out.print(i+" ");

}

}

}