**//PRINT AN ARRAY**

public static void main(String[] args) {

Scanner sc=new Scanner(System.***in***);

System.***out***.println("Enter the size of the array: ");

int n=sc.nextInt();

int[] arr=new int[n];

System.***out***.println("Enter the elements of the array: ");

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

arr[i]=sc.nextInt();

}

System.***out***.println("The array: ");

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

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

}

}

**//REVERSE ORDER OF THE ARRAY**

public static void main(String[] args) {

Scanner sc=new Scanner(System.***in***);

System.***out***.println("Enter the size of the array: ");

int n=sc.nextInt();

int[] arr=new int[n];

System.***out***.println("Enter the elements of the array: ");

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

arr[i]=sc.nextInt();

}

System.***out***.println("The reverse order of the array: ");

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

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

}

}

**//SUM AND AVERAGE**

public static void main(String[] args) {

int sum=0;

int[] arr= {1,2,3,4,5,6};

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

sum+=arr[i];

}

int avg=sum/arr.length;

System.***out***.println("The sum: "+sum);

System.***out***.println("The average: "+avg);

}

**//MAXIMUM AND MINIMUM**

public static void main(String[] args) {

Scanner sc=new Scanner(System.***in***);

System.***out***.println("Enter the size of the array: ");

int n=sc.nextInt();

int[] arr=new int[n];

System.***out***.println("Enter the elements of the array: ");

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

arr[i]=sc.nextInt();

}

int max=Integer.***MIN\_VALUE***;

int min=Integer.***MAX\_VALUE***;

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

if(arr[i]<min) {

min=arr[i];

}

}

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

if(arr[i]>max) {

max=arr[i];

}

}

System.***out***.println("The maximum element is: "+max);

System.***out***.println("The minimum element is: "+min);

}

**//COUNT OF ODD AND EVEN ELEMENTS**

public static void main(String[] args) {

Scanner sc=new Scanner(System.***in***);

System.***out***.println("Enter the size of the array: ");

int n=sc.nextInt();

int[] arr=new int[n];

System.***out***.println("Enter the elements of the array: ");

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

arr[i]=sc.nextInt();

}

int even=0;

int odd=0;

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

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

even++;

}

else {

odd++;

}

}

System.***out***.println("Even count: "+even);

System.***out***.println("Odd count: "+odd);

}

**//ARRAY SORTED OR NOT**

public static void main(String[] args) {

Scanner sc=new Scanner(System.***in***);

System.***out***.println("Enter the size of the array: ");

int n=sc.nextInt();

int[] arr=new int[n];

System.***out***.println("Enter the elements of the array: ");

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

arr[i]=sc.nextInt();

}

boolean issorted=true;

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

if(arr[i]>arr[i+1]) {

issorted=false;

break;

}

}

if(issorted) {

System.***out***.println("The array is sorted");

}

else {

System.***out***.println("The array is not sorted");

}

}