asc -> . Arrays. sort (A)
$$\longrightarrow$$
 12345
by default \rightarrow asc.

Arrays. sort (A);

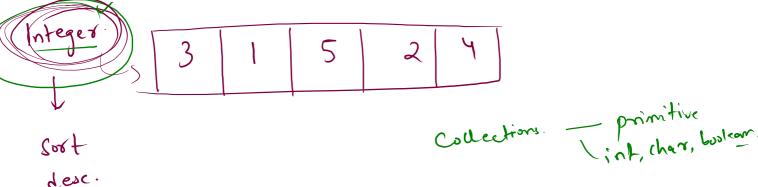
Sort ing.

```
public class Main {
 3
          public static void main(String[] args) {
              Scanner scn = new Scanner(System.in);
              int n = scn.nextInt();
            int [] A = new int[n];
for(int i = 0; i < n; i++){
    A[i] = scn.nextInt();
}</pre>
10
11
              //sort
12
             13
14
15
16
17
18
19
20
21
```

Collections reverse Order (). primitive data type (X) not use chal.

Class Class. Wrapper Integer boolean Booleen Character

t ad on features: Cell Nokia 3310



desc.

= new int [size]; int [] A = new char[size];

char []

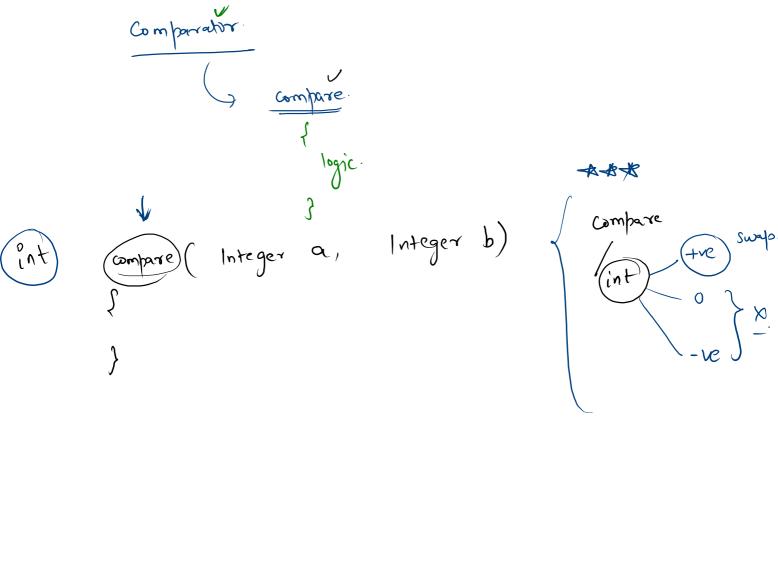
Integer ()

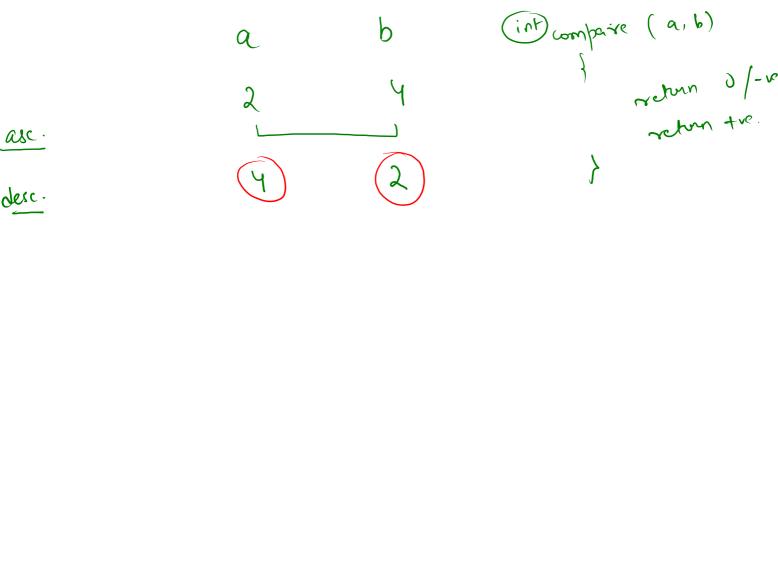
new Integer [tize];

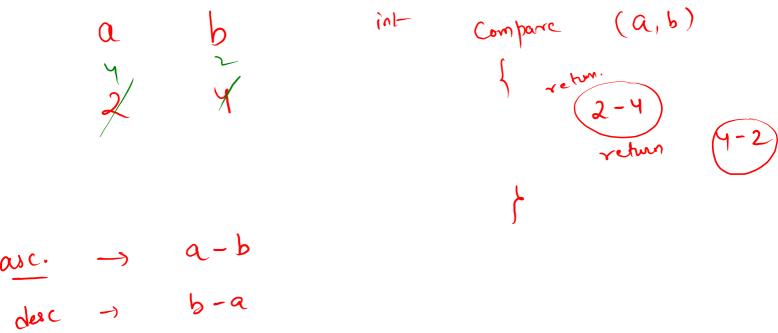
Comparatro. I that help us to compare user defined. inbuilt my dan. Collections. reverse Order()

```
import java.util.*;
 1
     public class Main {
         public static void main(String [] args){
 4
             Scanner scn = new Scanner(System.in);
 5
             int n = scn.nextInt();
 6
             Integer [] A = new Integer[n];
             for(int i = 0; i < n; i++){
8
                 A[i] = scn.nextInt();
 9
                                        comparator.
10
             Arrays.sort(A, Collections.reverseOrder());
11
             for(int i = 0; i < n; i++){}
12
                 System.out.print(A[i] + " ");
13
14
15
16
17
```

default > asc.







int

asc a b asc. a b asc. a b a $\frac{a-b}{b-a} \frac{dex}{b-a} \frac{dex}{b-a} \frac{dex}{b-a}$ $\frac{dex}{b-a} \frac{dex}{b-a} \frac{dex}{$

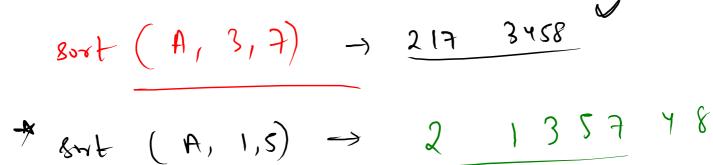
decc.

```
1 - import java.util.*;
 2 public class Main {
        public static void main(String [] args){
            Scanner scn = new Scanner(System.in);
            int n = scn.nextInt();
           Integer [] A = new Integer[n];
           for(int i = 0; i < n; i++){
                A[i] = scn.nextInt();
           // Syntax
11
           Comparator<Integer> myComp = new Comparator<>(){
12 -
                public int compare(Integer a, Integer b){
13 *
                    return b-a;
15
            };
17
           Arrays.sort(A, myComp);
            for(int i = 0; i < n; i++){
              System.out.print(A[i] + " ");
21
22
23 }
```

by square of element Sort 36 0 3 ኢ Test Case 1 Input: 5

asc.

```
import java.util.*;
 2
     public class Main {
         public static void main(String [] args){
 4
             Scanner scn = new Scanner(System.in);
             int n = scn.nextInt();
6
             Integer [] A = new Integer[n];
7
             for(int i = 0; i < n; i++){
8
                 A[i] = scn.nextInt();
9
10
11
             // Syntax
12
             Comparator<Integer> myComp = new Comparator<>(){
                 public int compare(Integer a, Integer b){
13
14
                     return a*a - b*b;
15
16
             };
17
18
             Arrays.sort(A, myComp);
             for(int i = 0; i < n; i++){
19
                 System.out.print(A[i] + " ");
20
21
22
23
```



Sort Array By Parity

Sort Array By Parity

Problem Statement

Given an integer array **nums[]**, move all the **even** integers at the beginning of the array followed by all the **odd** integers in non- decreasing order.

nums \rightarrow $\begin{vmatrix} 3 & 1 & 2 & 4 \\ 0 & 0 & e & e \end{vmatrix}$

Test Case 1

Input:

4

3 1 2 4

Output:

2 4 1 3

3 2 1 4

(all even)... (all odd)

segregate even... od.

2. sort even range 2- sort odd range