import java.util.Arrays;

import java.util.List;

import java.util.stream.Collectors;

**Converting Array to different formats**

public class Important {

public static void main(String[] args) {

int arr[] = {7, 10, 4, 3, 20, 15};

Integer temp[] = Arrays.stream(arr).boxed().toArray(Integer[]::new);

List<Integer> lst = Arrays.stream(arr).boxed().collect(Collectors.toList());

}

}

**Find the minimum and maximum element in an array**

**import** java.util.Arrays;

**public** **class** Exam1 {

**public** **static** **void** main(String[] args) {

**int** arr[] = { 12, 1234, 45, 67, 1 };

**int** min = arr[0];

**int** max = arr[0];

**for**(**int** e:arr) {

**if**(min>e) {

min=e;

}

**else** **if**(max<e) {

max=e;

}

}

System.***out***.println(min);

System.***out***.println(max);

System.***out***.println("\*\*\*\*Stream file\*\*\*\*");

System.***out***.println(Arrays.*stream*(arr).min().getAsInt());

System.***out***.println(Arrays.*stream*(arr).max().getAsInt());

}

}

Write a program to reverse an array

**import** java.util.Arrays;

**public** **class** Exam2 {

**public** **static** **void** main(String[] args) {

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

**int** res[] = **new** **int**[arr.length];

**int** j=0;

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

res[j] = arr[i];

j++;

}

System.***out***.println(Arrays.*toString*(res));

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*O(n)");

**int** startInd = 0;

**int** endInd = arr.length-1;

**int** temp;

**while**(startInd<endInd) {

temp = arr[endInd];

arr[endInd] = arr[startInd];

arr[startInd] = temp;

startInd++;

endInd--;

}

System.***out***.println(Arrays.*toString*(arr));

}

}

**//K’th Smallest/Largest Element in Unsorted Array**

**import** java.util.Arrays;

**import** java.util.Collections;

**public** **class** Exam3 {

**public** **static** **int** smallElement(**int** arr[], **int** k) {

Arrays.*sort*(arr);

**return** arr[k-1];

}

**public** **static** **int** largeElement(**int** arr[], **int** k) {

Integer temp[] = Arrays.*stream*(arr).boxed().toArray(Integer[]::**new**);

Arrays.*sort*(temp, Collections.*reverseOrder*());

**return** temp[k-1];

}

**public** **static** **void** main(String[] args) {

**int** a[] = {7, 10, 4, 3, 20, 15};

**int** k =3;

System.***out***.println(*smallElement*(a, k));

System.***out***.println(*largeElement*(a, k));

}

}

**Find the frequency of a number in an array**

**public** **class** Exam4 {

**public** **static** **void** main(String[] args) {

**int** arr[] = {7,3, 10, 4, 3, 20, 3,15, 3};

**int** num = 3;

**int** count =0;

**for**(**int** i: arr) {

**if**(i==num) {

count++;

}

}

System.***out***.println(count);

}

}