# Perform the list of methods in Arrays

# 1. Find the length of the Array variable.

# 2. Convert the array variable and store it in the String variable and display the array values.

# 3. Copy the array value from source array to designation array using copyOf method.

# 4. Copy the array value from source array to designation array using copyOfRange method.

# 5. Compare two array and check whether the array are same or not.

# 6. Make the array variable to store it in ascending order and display the arraydata.

# 7. Display the array data in descending order.

# 1. Find the length of the Array variable.

## Code

class Main {  
 public static void main(String args[]) {  
 int arr[] = new int[5];  
 System.out.println("Length of array: " + arr.length);  
 }  
}

## Output

Length of array: 5

# 2. Convert the array variable and store it in the String variable and display the array values.

## Code

import java.util.Arrays;  
  
class Main {  
 public static void main(String args[]) {  
 int arr[] = {1, 2, 3, 4};  
 String arr\_str = Arrays.toString(arr);  
  
 System.out.println("Array as string: " + arr\_str);  
 }  
}

## Output

Array as string: [1, 2, 3, 4]

# 3. Copy the array value from source array to designation array using copyOf method.

## Code

import java.util.Arrays;  
  
class Main {  
 public static void main(String args[]) {  
 int arr[] = {1, 2, 3, 4};  
 int copied[] = Arrays.copyOf(arr, arr.length);  
  
 System.out.println("Arr: " + Arrays.toString(arr) + " copied: " + Arrays.toString(copied));  
 }  
}

## Output

Arr: [1, 2, 3, 4] copied: [1, 2, 3, 4]

# 4. Copy the array value from source array to designation array using copyOfRange method.

## Code

import java.util.Arrays;  
  
class Main {  
 public static void main(String args[]) {  
 int arr[] = {1, 2, 3, 4};  
 int copied[] = Arrays.copyOfRange(arr, 0, arr.length);  
  
 System.out.println("Arr: " + Arrays.toString(arr) + " copied: " + Arrays.toString(copied));  
 }  
}

## Output

Arr: [1, 2, 3, 4] copied: [1, 2, 3, 4]

# 5. Compare two array and check whether the array are same or not.

## Code

import java.util.Arrays;  
  
class Main {  
 public static void main(String args[]) {  
 int arr1[] = {1, 2, 3, 4};  
 int arr2[] = {1, 2, 3, 4};  
  
 System.out.println("Arrays are same: " + Arrays.equals(arr1, arr2));  
 }  
}

## Output

Arrays are same: true

# 6. Make the array variable to store it in ascending order and display the arraydata.

## Code

import java.util.Arrays;  
  
class Main {  
 public static void main(String args[]) {  
 int arr[] = {5, 4, 3, 2, 1};  
 Arrays.sort(arr);  
 System.out.println("Assending Array: : " + Arrays.toString(arr));  
 }  
}

## Output

Assending Array: : [1, 2, 3, 4, 5]

# 7. Display the array data in descending order.

## Code

import java.util.\*;  
  
class Main {  
 public static void main(String args[]) {  
 int arr[] = {1, 2, 3, 4, 5};  
 Arrays.sort(arr, Collections.reverseOrder());  
  
 System.out.println("Descending Array: : " + Arrays.toString(arr));  
 }  
}

## Output

Assending Array: [5, 4, 3, 2, 1]