package arraysort;

import java.util.Arrays;

/\*\*

\*

\* @author fa23-bse-110

\*/

public class ArraySort {

/\*\*

\* @param args the command line arguments

\*/

public static int[] sortArray(int[] arr) {

int[] sorted = arr.clone();

Arrays.sort(sorted);

return sorted;

}

public static void main(String[] args) {

// TODO code application logic here

int[] arr = {7, 2, 9, 4, 1};

int[] sorted = sortArray(arr);

System.out.print("Reversed array: "+ Arrays.toString(sorted));

}

}

package reversearr;

import java.util.Arrays;

/\*\*

\*

\* @author fa23-bse-110

\*/

public class ReverseArr {

/\*\*

\* @param args the command line arguments

\*/

public static int[] reverseArray(int[] arr) {

int n = arr.length;

int[] reversed = new int[n];

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

reversed[i] = arr[n - 1 - i];

}

return reversed;

}

public static void main(String[] args) {

// TODO code application logic here

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

int[] reversed = reverseArray(arr);

System.out.print("Reversed array: "+ Arrays.toString(reversed));

}

}

package maxvalue;

/\*\*

\*

\* @author fa23-bse-110

\*/

public class MaxValue {

/\*\*

\* @param args the command line arguments

\*/

public static int findMax(int[] arr) {

int max = arr[0];

for (int i = 1; i < arr.length; i++) {

if (arr[i] > max) {

max = arr[i];

}

}

return max;

}

public static void main(String[] args) {

// TODO code application logic here

int arr[]= {1,2,3,5,7,9,0,8 ,11};

int maxValue = findMax(arr);

System.out.println("Maximum value is: " + maxValue);

}

}

package pkgdouble.array;

import java.util.Arrays;

/\*\*

\*

\* @author fa23-bse-110

\*/

public class DoubleArray {

/\*\*

\* @param args the command line arguments

\*/

public static void DoubleEle(int[] arr){

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

arr[i]\*=2;

}

}

public static void main(String[] args) {

// TODO code application logic here

int arr[] = {2,4,6,8};

System.out.println("Array"+ Arrays.toString(arr));

DoubleEle(arr);

System.out.println("Array"+ Arrays.toString(arr));

}

}

public class ArraySquare {

/\*\*

\* @param args the command line arguments

\*/

public static int[] Squares(int n){

int[] arr = new int[n];

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

int number = i+1;

arr[i]= number\*number;

}

return arr;

}

public static void main(String[] args) {

// TODO code application logic here

int n = 10;

int[] squares = Squares(n);

System.out.println("Array Squares "+ Arrays.toString(squares));

}

}