package inClass.Assignments;  
  
import com.sun.prism.PixelFormat;  
  
import java.util.Arrays;  
  
public class ArrayAssignment {  
 public static void main(String[] args) {  
 //#1  
 int[] array = {1, 2, 3};  
  
 for (int i = 0; i < array.length; i++) {  
 System.*out*.println(array[i]);  
 }  
  
 //#2  
 int[] array2 = {13, 5, 7, 68, 2};  
 //if()  
 System.*out*.println(array2[array2.length / 2]);  
  
 //#3  
 String[] array3 = {"red", "green", "blue", "yellow"};  
 System.*out*.println(array3.length);  
 String[] cloneArray = array3.clone();  
 System.*out*.println(Arrays.*toString*(cloneArray));  
  
 //#4  
 int[] array4 = new int[5];  
 for(int i = 0; i < array4.length; i++) {  
 array4[i] = (int)(Math.*random*() \* 100);  
 }  
 System.*out*.println(array4[1] + " " + array4[array4.length - 1]);  
 //System.out.println(array4[array4.length]);  
 //array4[5] = 9;  
  
 //#5  
 int[] array5 = new int[5];  
 for(int i = 0; i < array5.length; i++) {  
 array5[i] = i;  
 }  
 System.*out*.println(Arrays.*toString*(array5));  
  
 //#6  
 int[] array6 = new int[5];  
 for(int i = 0; i < array6.length; i++) {  
 array6[i] = 2 \* i;  
 }  
 System.*out*.println(Arrays.*toString*(array6));  
  
 //#7  
 for(int i = 0; i < array6.length; i++) {  
 if(i != 2) {  
 System.*out*.println(array6[i]);  
 }  
 }  
  
 //#8  
 int[] array7 = new int[5];  
 for(int i = 0; i < array7.length; i++) {  
 array7[i] = (int)(Math.*random*() \* 100);  
 }  
 int temp = array7[0];  
 array7[0] = array7[array7.length/2];  
 array7[array7.length/2] = temp;  
  
 //#9  
 int[] array8 = {4, 2, 9, 13, 1, 0};  
 Arrays.*sort*(array8);  
 System.*out*.println(Arrays.*toString*(array8));  
  
 //#10  
 Object[] array9 = {1, "string1", "string2", "string3", 3.14};  
 System.*out*.println(Arrays.*toString*(array9));  
 }  
}