**To check leap year**

public class Main {

public static void main(String[] args) {

int year = 1900;

boolean leap = false;

if (year % 4 == 0) {

if (year % 100 == 0) {

if (year % 400 == 0)

leap = true;

else

leap = false;

}

else

leap = true;

}

else

leap = false;

if (leap)

System.out.println(year + " is a leap year.");

else

System.out.println(year + " is not a leap year.");

}

}

**Bubble sort for sorting ascending**

import java.util.Arrays;

class Main {

static void bubbleSort(int array[]) {

int size = array.length;

for (int i = 0; i < size - 1; i++)

for (int j = 0; j < size - i - 1; j++)

if (array[j] > array[j + 1]) {

int temp = array[j];

array[j] = array[j + 1];

array[j + 1] = temp;

}

}

public static void main(String args[]) {

int[] data = { -2, 45, 0, 11, -9 };

Main.bubbleSort(data);

System.out.println("Sorted Array in Ascending Order:");

System.out.println(Arrays.toString(data));

}

}