// A generic interface example.

// A Min/Max interface.

interface MinMax<T extends Comparable<T>> {

T min();

T max();

}

// Now, implement MinMax

class MyClass<T extends Comparable<T>> implements MinMax<T> {

T[] vals;

MyClass(T[] o) { vals = o; }

// Return the minimum value in vals.

public T min() {

T v = vals[0];

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

if(vals[i].compareTo(v) < 0) v = vals[i];

return v;

}

// Return the maximum value in vals.

public T max() {

T v = vals[0];

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

if(vals[i].compareTo(v) > 0) v = vals[i];

return v;

}

}

class genIF {

public static void main(String args[]) {

Integer inums[] = { 3, 6, 2, 8, 6 };

Character chs[] = { 'b', 'r', 'p', 'w' };

MyClass<Integer> iob = new MyClass<Integer>(inums);

MyClass<Character> cob = new MyClass<Character>(chs);

System.out.println("Max value in inums: " + iob.max());

System.out.println("Min value in inums: " + iob.min());

System.out.println("Max value in chs: " + cob.max());

System.out.println("Min value in chs: " + cob.min());

}

}