10. Write a java program to find the maximum value from the given type of elements using a generic function.

**PROGRAM**

class MyClass<T extends Comparable<T>>

{

T[] vals;

MyClass(T[] o)

{

vals = o;

}

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;

}

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 gendemo

{

public static void main(String args[])

{

int i;

Integer inums[]={10,2,5,4,6,1};

Character chs[]={'v','p','s','a','n','h'};

Double d[]={20.2,45.4,71.6,88.3,54.6,10.4};

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

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

MyClass<Double>dob = new MyClass<Double>(d);

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());

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

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

}

}

**OUTPUT**

