EX.NO: 09	GENERIC FUNCTION
DATE:	

AIM: To develop a java program for the maximum value from the given type of element using a generic function.

REQUIREMENT: To find the maximum value from the given type of element using Generic function.

ALGORITHM:

STEP 1: Create a package called as maximum.
STEP 2: Create a class GenericMaximum.
STEP 3: Declare a method with initial attributes.
STEP 4: Apply a suitable condition loop to it.
STEP 5: Declare a object in it.
STEP 6: Print the result.

PROGRAM:

```
/*
* created by:
 *aharish.m
 */
package maximum;

public class GenericMaximum {
	public static <E extends Comparable<E>> E max (E[]ele)
	{
		E m;
		m=ele[0];
		for(E e:ele)
		{
		if(e.compareTo(m)>0)
		{
			m=e;}
		}return m;
	}
	public static void main(String[]args) {
	Integer intarray[]= {5,10,7,1};
	Integer intMax;
	Double doublearray[]= {6.5,5.2,3.8,4.3};
	Double doubleMax;
	String Stringarray[]= {"aharish","vijay","ajith","johncena"};
	String stringMax;
	intMax=max(intarray);
	System.out.println("max integer:"+intMax);
	doubleMax=max(doublearray);
	System.out.println("max double:"+doubleMax);
   stringMax=max(Stringarray);
   System.out.println("max string:"+stringMax);
}
```

```
}
```

OUTPUT:

```
max integer:10
max double:6.5
max string:vijay
```

RESULT: Thus the java console application to find the maximum value of the given data type is developed.