EX.NO: 09	GENERIC MAXIMUM
DATE:20/09/19	

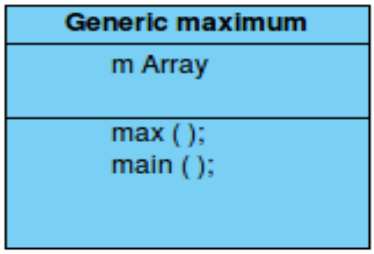
AIM: To develop a java program for the maximum value from the given type of element using a generic function.

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.

CLASS DIAGRAM:



PROGRAM:

```
/*
 * developed by N.pavithra
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 *
 *
 */
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 = { 6,4,8,9};
                Integer intMax;
                Double[] doubleArray = {1.1,6.4,8.9,3.0};
                Double doubleMax;
                String[] stringArray = {"neha","gowri","hari","rushi"};
                String strMax;
                intMax=GenericMaximum.Max(intArray);
                System.out.println("Integer Max="+intMax);
                strMax=GenericMaximum.Max(stringArray);
                System.out.println("String Max="+strMax);
                doubleMax=GenericMaximum.Max(doubleArray);
                System.out.println("Double Max="+doubleMax);

        }

}
```

OUTPUT:

Integer Max=9
String Max=rushi
Double Max=8.9

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