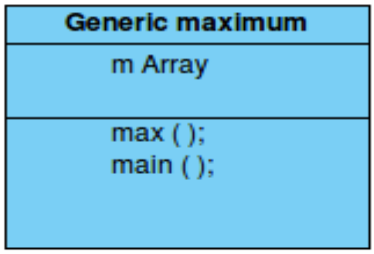
EX.NO: 09	GENERIC MAXIMUM
DATE:	

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.

CLASS DIAGRAM:



PROGRAM:

```
/*
 *developed by N.guru sai babu
 *eee-b
 *212217105301
 */
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 = {"guru ",”sai”,”babu”};
        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=rbabu
Double Max=8.9
```

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