**Interface**

////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////

package lab.activity;

public interface Mode {

/\*

\*Find one of the most frequent integer in an array.

\*@param values array in which at least one values occurs more then once.

\*@return a number that appears most offen in values.

\* \*/

public int getMode(int[] values);

}

////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////

**Implementation of Interface**

////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////

package lab.activity;

import java.sql.Array;

public class MyMode implements Mode {

/\*

\* (non-Javadoc)

\* @see lab.activity.Mode#getMode(int[])

\*

\*

\*Mostly Repeated Value in An Array.

\*@param values in which one or more values occurs than once.

\*@return a most repeated number at the starting index.

\*

\*/

@Override

public int getMode(int[] values) {

int maxValue = 0, maxCount = 0;

for (int i = 0; i < values.length; i++) {

int count = 0;

for (int j = 0; j < values.length; j++) {

if (values[j] == values[i])

count++;

}

if (count > maxCount) {

maxCount = count;

maxValue = values[i];

}

}

return maxValue;

}

public static void main(String[] args) {

// TODO Auto-generated method stub

MyMode mode = new MyMode();

int myArray[] = {11, 12, 11, 10, 19, 11};

//Testing.Ascending(myArray);

System.out.println("\nMode = "+mode.getMode(myArray));

}

}

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