**ANSWER OF THE TASK**

**package** spec;

**public** **interface** Mode {

/\*\*

\* finds one of the most frequent integer in an array

\* **@param** values array with integer values with repeating entries

\* **@return** first number with most repeated instances

\*/

**public** **int** **GetMode**(**int**[] values);

}

**package** spec;

**public** **class** **MyMode** **implements** Mode {

/\*\*

\* finds one of the most frequent integer in an array

\* **@param** values array with integer values with repeating entries

\* **@return** first number with most repeated instances

\*/

***@Override***

**public** **int** **GetMode**(**int**[] values) {

**int** **max** = 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;

max = values[i];

}

}

**return** max;

}

}