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Java Programming

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| I | P | O |
| data  choice | Array(data) is processed with Math.random() to store random numbers in the allocated positions.  Array is sorted (data);  Binary Search is conducted in the array. If index was lesser than zero, the number was not found. Else, the number was found at a specific index.  If data was not equal to zero, if data number is divided by data and remains greater than zero, the number occurs. Else, it does not occur.  Average = sum / data.length  Array is streamed to the maximum, to get the int value.  Array is streamed to the minimum, to get the int value. | The random numbers are as follows: d(numbers 1-100 in random order.)  The numbers in ascending order are: data[i].(same array as above, in order).  Choice was found at index  i (number) occurs data[i] times.  The average of the array is result  The maximum value in the array is maximum  The minimum value in the array is minimum |

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