**Relevant API Documentation**

**class String**

char charAt(int index) Returns the char value at the specified index.

int length() Returns the length of this string.

[String](http://java.sun.com/j2se/1.5.0/docs/api/java/lang/String.html)[] split([String](http://java.sun.com/j2se/1.5.0/docs/api/java/lang/String.html) regex) Splits this string around matches of the given regular expression.

boolean equals(String str) Returns true if both strings are identical.

String substring(int beginIndex) Returns a new string that is a substring of this string, starting at beginIndex

String substring(int beginIndex,

int endIndex) Returns a new string that is a substring of this string, starting at beginIndex and ending at endIndex - 1

int indexOf(String s) Returns the index within this string of the first occurrence of the specified substring. or -1 if there is no such occurrence.

boolean contains (String s) Returns true if and only if this string contains the specified string

String toLowerCase () Converts all of the characters in this String to lower case using the rules of the default locale.

**class Integer**

static int parseInt​(String s) Parses the string argument as a signed decimal integer.

**class Character**

static boolean Character.isDigit(char ch) Determines if the specified character is a digit.

**class ArrayList<E>**

boolean add(E o) Appends the specified element to the end of the list.

void add(int index, E element)Inserts the element at the specified position in the list.

E get(int index) Returns the element at the specified position in the list.

int size() Returns the number of elements in the list.

**class Scanner**

String next() Finds and returns the next complete token from this scanner.

String nextLine() Advances this scanner past the current line and returns the input that was skipped

int nextInt() Scans the next token of the input as an int.

**class Random**

int nextInt(int bound) Returns a pseudorandom, uniformly distributed int value between 0 (inclusive) and the specified value (exclusive), drawn from this random number generator's sequence

int nextInt() Returns the next pseudorandom, uniformly distributed int value from this random number generator's sequence.

**Length of an Array**

The length of the nums array is given by: nums.length