STANDARD CLASSES AND INTERFACES — SUPPLEMENTAL REFERENCE

```
package java.lang
                                                             package java.util
class Object
                                                              interface List<E>
  boolean equals (Object anotherObject)
                                                              class ArrayList<E> implements List<E>
  String toString()
                                                               boolean add(E item)
  int hashCode()
                                                                int size()
                                                                Iterator<E> iterator()
interface Comparable<T>
                                                                ListIterator<E> listIterator()
  int compareTo(T anotherObject)
                                                               E get(int index)
    Returns a value < 0 if this is less than anotherObject.
                                                               E set(int index, E item)
    Returns a value = 0 if this is equal to anotherObject.
                                                               void add(int index, E item)
    Returns a value > 0 if this is greater than anotherObject.
                                                               E remove (int index)
class Integer implements Comparable<Integer>
                                                             class LinkedList<E> implements List<E>, Queue<E>
                                                                void addFirst(E item)
  Integer (int value)
  int intValue()
                                                               void addLast (E item)
  boolean equals(Object anotherObject)
                                                               E getFirst()
  String toString()
                                                               E getLast()
  String toString(int i, int radix)
                                                               E removeFirst()
  int compareTo (Integer anotherInteger)
                                                               E removeLast()
  static int parseInt(String s)
                                                             class Stack<E>
class Double implements Comparable<Double>
                                                               boolean isEmpty()
  Double (double value)
                                                               E peek()
  double doubleValue()
                                                               E pop()
  boolean equals (Object anotherObject)
                                                               E push (E item)
  String toString()
                                                             interface Queue<E>
  int compareTo (Double anotherDouble)
                                                             class PriorityQueue<E>
  static double parseDouble (String s)
                                                               boolean add (E item)
class String implements Comparable<String>
                                                               boolean isEmpty()
  int compareTo(String anotherString)
                                                               E peek()
  boolean equals(Object anotherObject)
                                                               E remove()
  int length()
                                                             interface Set<E>
  String substring(int begin)
                                                              class HashSet<E> implements Set<E>
    Returns substring(begin, length()).
                                                              class TreeSet<E> implements Set<E>
  String substring(int begin, int end)
                                                               boolean add(E item)
    Returns the substring from index begin through index (end - 1).
                                                               boolean contains (Object item)
  int indexOf(String str)
                                                               boolean remove (Object item)
    Returns the index within this string of the first occurrence of str.
                                                                int size()
    Returns -1 if str is not found.
                                                                Iterator<E> iterator()
  int indexOf(String str, int fromIndex)
                                                               boolean addAll(Collection<? extends E> c)
    Returns the index within this string of the first occurrence of str,
                                                               boolean removeAll(Collection<?> c)
    starting the search at fromIndex. Returns -1 if str is not found.
                                                               boolean retainAll(Collection<?> c)
  int indexOf(int ch)
                                                              interface Map<K,V>
  int indexOf(int ch, int fromIndex)
                                                              class HashMap<K,V> implements Map<K,V>
  char charAt(int index)
                                                              class TreeMap<K,V> implements Map<K,V>
  String toLowerCase()
                                                               Object put (K key, V value)
  String toUpperCase()
                                                               V get (Object key)
  String[] split(String regex)
                                                               boolean containsKey (Object key)
  boolean matches (String regex)
                                                               int size()
  String replaceAll(String regex, String str)
                                                                Set<K> keySet()
                                                               Set<Map.Entry<K, V>> entrySet()
class Character
  static boolean isDigit(char ch)
                                                             interface Iterator<E>
  static boolean isLetter(char ch)
                                                               boolean hasNext()
  static boolean isLetterOrDigit(char ch)
                                                               E next()
  static boolean isLowerCase (char ch)
                                                               void remove()
  static boolean isUpperCase (char ch)
  static char toUpperCase (char ch)
                                                              interface ListIterator<E> extends Iterator<E>
  static char toLowerCase (char ch)
                                                                void add (E item)
                                                                void set (E item)
class Math
  static int abs(int a)
                                                             class Scanner
  static double abs(double a)
                                                               Scanner (InputStream source)
  static double pow(double base, double exponent)
                                                                Scanner (String str)
  static double sqrt(double a)
                                                               boolean hasNext()
  static double ceil (double a)
                                                               boolean hasNextInt()
  static double floor (double a)
                                                               boolean hasNextDouble()
  static double min (double a, double b)
                                                               String next()
  static double max (double a, double b)
                                                               int nextInt()
  static int min(int a, int b)
                                                               double nextDouble()
  static int max(int a, int b)
                                                                String nextLine()
  static long round(double a)
                                                                Scanner useDelimiter (String regex)
  static double random()
```

Returns a double greater than or equal to 0.0 and less than 1.0.