

Absolutely! Here's a **comprehensive list of all the methods** available in Java's `ArrayList` class, formatted as a table for clarity.

✅ This includes **all methods** inherited from `List`, `Collection`, `Iterable`, `Cloneable`, and `Serializable` interfaces as well as those defined in `ArrayList` itself.

✅ Complete List of `ArrayList` Methods

Method Signature	Description
<code>boolean add(E e)</code>	Appends the specified element to the end.
<code>void add(int index, E element)</code>	Inserts element at the specified index.
<code>boolean addAll(Collection<? extends E> c)</code>	Appends all elements from the specified collection.
<code>boolean addAll(int index, Collection<? extends E> c)</code>	Inserts all elements at the specified index.
<code>void clear()</code>	Removes all elements from the list.
<code>Object clone()</code>	Returns a shallow copy of this <code>ArrayList</code> .
<code>boolean contains(Object o)</code>	Checks if the list contains the specified element.

```
void ensureCapacity(int  
minCapacity)
```

Increases the capacity if necessary.

```
E get(int index)
```

Returns element at the specified index.

```
int indexOf(Object o)
```

Returns the first index of the specified element, or -1.

```
int lastIndexOf(Object o)
```

Returns the last index of the specified element, or -1.

```
E remove(int index)
```

Removes and returns element at the specified index.

```
boolean remove(Object o)
```

Removes the first occurrence of the specified element.

```
boolean removeAll(Collection<?> c)
```

Removes all elements found in the specified collection.

```
boolean retainAll(Collection<?> c)
```

Retains only the elements found in the specified collection.

```
E set(int index, E element)
```

Replaces element at index with specified element.

```
int size()
```

Returns number of elements in the list.

`boolean isEmpty()`

Returns `true` if the list contains no elements.

`Object[] toArray()`

Returns an array containing all elements.

`<T> T[] toArray(T[] a)`

Returns an array containing elements of the specified type.

`boolean containsAll(Collection<?> c)`

Checks if list contains all elements of specified collection.

`Iterator<E> iterator()`

Returns an iterator over the elements.

`ListIterator<E> listIterator()`

Returns a list iterator.

`ListIterator<E> listIterator(int index)`

Returns a list iterator starting from specified index.

`List<E> subList(int fromIndex, int toIndex)`

Returns a view of the portion of this list between indexes.

`void trimToSize()`

Trims capacity to current size.

`Splitter<E> splitter()`

Creates a splitter for this list.

```
void forEach(Consumer<? super E>  
action)
```

Performs the given action for each element.

```
boolean removeIf(Predicate<? super  
E> filter)
```

Removes elements that satisfy the filter condition.

```
void replaceAll(UnaryOperator<E>  
operator)
```

Replaces each element using the operator.

```
void sort(Comparator<? super E> c)
```

Sorts the list using the comparator.

```
boolean equals(Object o)
```

Compares the list with another object for equality.

```
int hashCode()
```

Returns hash code for the list.

```
String toString()
```

Returns a string representation of the list.

Would you like code examples for each method or maybe a downloadable notebook for practice?