

# ArrayList Syntax

## 1. add(E element)

- Syntax: boolean add(E element)
- Example:
- java
- Copy code
- `ArrayList<String> list = new ArrayList<>();`
- `list.add("apple");`
- `list.add("banana");`

## 2. add(int index, E element)

- Syntax: void add(int index, E element)
- Example: `ArrayList<Integer> numbers = new ArrayList<>();`
- `numbers.add(0, 1);`
- `numbers.add(1, 2);`

## 3. get(int index)

- Syntax: E get(int index)
- Example: `String fruit = list.get(0);`

## 4. set(int index, E element)

- Syntax: E set(int index, E element)
- Example: `list.set(0, "orange");`

## 5. remove(int index)

- Syntax: E remove(int index)
- Example: `numbers.remove(1);`

## 6. remove(Object o)

- Syntax: boolean remove(Object o)
- Example: `list.remove("banana");`

## 7. size()

- Syntax: int size()
- Example: `int size = list.size();`

## 8. isEmpty()

- Syntax: boolean isEmpty()
- Example: `boolean empty = list.isEmpty();`

## 9. contains(Object o)

- Syntax: boolean contains(Object o)
- Example: `boolean contains = list.contains("apple");`

## 10. clear()

- Syntax: `void clear()`
- Example: `list.clear();`