ArrayList.java

import java.util.\*;

public class ArrayListExample {

public static void main(String[] args) {

// Define an ArrayList of String

ArrayList<String> namesList = new ArrayList<>();

// Add four names to the ArrayList

namesList.add("Alice");

namesList.add("Bob");

namesList.add("Charlie");

namesList.add("David");

// Traverse the ArrayList in forward direction using ListIterator

System.out.println("Forward traversal:");

ListIterator<String> forwardIterator = namesList.listIterator();

while (forwardIterator.hasNext()) {

System.out.println(forwardIterator.next());

}

// Traverse the ArrayList in reverse direction using ListIterator

System.out.println("\nReverse traversal:");

ListIterator<String> reverseIterator = namesList.listIterator(namesList.size());

while (reverseIterator.hasPrevious()) {

System.out.println(reverseIterator.previous());

}

}

}

