Java Fundamentals: Collections

What Are Collections and Why Use Them?

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The Java Collections Framework
ships with the JDK

```java
public static void main(String[] args) {
    System.out.println("Hello World");
}
```

Implementing data structures
can be hard

Data Structures Are Diverse

Ordering

Uniqueness

Pairs

Course Outline

Defining and Iterating

Iteration Order: Lists

Uniqueness: Sets

Modification Order: Queues & Deques

Collections of Pairs: Maps

Collection Operations

Summary

Collections are important

Java Collections Framework is very good

Essential to Mastering Java