Unit Testing & the JUnit framework.

XUnit → style of testing framework

→ Test Driven Design (TDD)
@Test public void SomeMethod {

    annotation

    \rightarrow\ declare\tive\ programming
Declarative programming is specifying what the answer looks like, not how to get it. Prolog
Decl. Prog (II)

SQL → structured Query Language
Select emp_name from employees

where salary > 50000

And department is 'Marketing'.
\texttt{ancestor}(x, y) :~ \texttt{parent}(z, y),
\texttt{ancestor}(x, z).
Enterprise-level Java

JavaBeans

Component-based programming
beans ⇒ lots of boiler plate code

```java
public void setFieldA(String a) {
    this.a = a;
}
```
public class MyClass {

    
    private String name;
    private int age;
    private double height;

    ...

    ...

    ...
@Test
public void testAdd() {
    
    
    @Test
    public void testSet() {
        
        
    }
}
Threads

open file
ask it to read

process

w/o
asynch capabilities
calc comp move( )

handle events

{ }