

Guide Chapter 9

Inheritance & Polymorphism

1. Inheritance
 - A class inherits behavior from another class

```
public class classC extends classP
```

 - `classP` is the parent or **superclass**.
 - `classC` is the child or **subclass**.
 - `classC` inherits instance variables and methods from `classP`
2. Protected Variables and Methods
 - Allow descendants of a class to access instance variables and methods
 - Discuss `demoInheritance.java`
3. Abstract Classes
 - A class that cannot be used to construct an object!
4. Polymorphism
 - Type of object is determined at run-time
 - Discuss `demoPolymorphism.java`

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- Discuss problems at end of chapter
 - 1, 2

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