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IT 212

Project 4 – Inheritance Hierarchy

ComicBook < Book

Encyclopedia < Book

* @title : String
* @author : String
* @price : Fixnum
* @pub\_info: String

**Book**

* initialize(the\_title : String, the\_author : String, the\_price : Fixnum, the\_pub\_info : String)

+ C new(the\_title : String, the\_author : String, the\_price : Fixnum, the\_pub\_info : String) : Book

+ title( ) : String

+ author( ) : String

+ price( ) : Fixnum

+ price=(the\_price : Fixnum)

+ pub\_info( ) : String

+ on\_sale(discount : Fixnum) : String

+ to\_s( ): String

NOTE:

@pub\_info in the Book class only contains the **year** of publication. @pub\_info in ComicBook overrides the method in the Book class because it includes @pubinfo and @pub\_month (Year and month of publication).

**Textbook**

* @editor : String
* @version : Fixnum
* initialize(the\_title : String, the\_author : String, the\_price : Fixnum, , the\_pub\_info : String, the\_editor : String, the\_version : Fixnum)

+ C new(the\_title : String, the\_author : String, the\_price : Fixnum, , the\_pub\_info : String, the\_editor : String, the\_version : Fixnum) : Textbook

+ editor( ) : String

+ version( ) : String

+ to\_s( ): String

* initialize(the\_title : String, the\_author : String, the\_price : Fixnum, the\_pub\_info : String, the\_artist : String, the\_pub\_month : String)

+ C new(the\_title : String, the\_author : String, the\_price : Fixnum, the\_pub\_info : String, the\_artist : String, the\_pub\_month : String) : ComicBook

+ artist( ) : String

+ pub\_info( ) : String

+ pub\_month( ) : String

+ pub\_info( ) : String

+ to\_s( ): String

* @artist : String
* @pub\_month : String

**ComicBook**