



Universidad de las Fuerzas Armadas ESPE

Object Oriented Programming

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Homework #13

Topic: Inheritance other language

```
open class Item(private var title: String, private var author: String) {
```

```
1  ✓ open class Item(private var title: String, private var author: String) {  
2  
3      fun getTitle(): String = title  
4  ✓      fun setTitle(newTitle: String) {  
5          | title = newTitle  
6      }  
7  
8  
9      fun getAuthor(): String = author  
10 ✓      fun setAuthor(newAuthor: String) {  
11          | author = newAuthor  
12      }  
13  
14  
15 ✓      open fun displayInfo() {  
16          | println("Title: $title")  
17          | println("Author: $author")  
18      }  
19  }
```

```
class Book(title: String, author: String, private var pages: Int) : Item(title, author) {
```

```
    fun getPages(): Int = pages  
    fun setPages(newPages: Int) {  
        | if (newPages > 0) {  
        |     pages = newPages  
        | } else {  
        |     println("Invalid page numbers")  
        | }  
    }  
  
    override fun displayInfo() {  
        | super.displayInfo()  
        | println("Type: Book")  
        | println("Pages: $pages")  
    }  
}
```