

## Mockup Exam PDS - Part II

Specification of the candidates:			
Name and first name:			
Lecturer:	<input type="checkbox"/> Melillo <input type="checkbox"/> Christen <input type="checkbox"/> other		
Information about the exam:			
Duration of the exam:	30 min		
Scoring:	Tasks	max. points	Points scored
	1: Questions to Library Project	6	
	2: Code Completions	10	
	<b>Total</b>	16	
	<b>Note</b>		
Tools:	<ul style="list-style-type: none"> <li>▪ OpenBook (Paperware only!!!)</li> <li>▪ no mobile phones, smartwatches, laptops, tablets, calculators, etc.</li> </ul>		
Lecturers:	Andreas Melillo, Ramón Christen		

**Note: Please download the code project “Library” from ILIAS. In the real exam the code will be distributed on additional paper sheets!**

## Task 1 Questions to Library Project

6 Points

### Task 1.1

6 Points

How many modules are imported in the main.py file?

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Is the “Member” class inheriting from one of the other custom classes?

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Is the “Member” class a base class for one of the other custom classes?

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What key word is used to finish the program (exit the while-loop) in the main file?

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How many object variables are defined in the Book class?

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What happens if a user enters ‘Hello’ to the ‘Select an option’-input?

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## Task 2 Code Completions

10 Points

NOTE: all tasks are found in the file *library.library\_manager*.

### Task 2.1

2 Points

Write the correct import statement to provide the class *Member* to your *LibraryManager*:

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### Task 2.2

2 Points

Append the created Book object to self.books

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### Task 2.3

2 Points

Replace `__FILL_HERE__` with a reasonable variable such that the books title is displayed.

`__FILL_HERE__`:

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### Task 2.4

4 Points

Complete the following for loop structure by filling in all `__FILL_HERE__` slots. For an available sample book called *SampleBook* (ISBN: *4815162342*) and written by Shakespeare, the expected result should print the following string:

*'SampleBook by Shakespeare (ISBN: 4815162342) - Available'*

`__FILL_HERE__ 1:`

`__FILL_HERE__ 2:`

`__FILL_HERE__ 3:`

`__FILL_HERE__ 4:`

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