

Comprehensive Python course for AI

Exercises 13 && 14

Deadline: 2023 30 November

Score: 600

2023 21 November

Comprehensive Python course for AI

Exercises 13

Score: 300 + 300

Question 01 (OOP Introduction)

100

❖ **Create a Class Book**

- ✓ **Attributes:** Should include title, author, and publication_year.
- ✓ **Method:** get_book_info(), which prints out the book's details.

Question 02 (OOP Introduction)

100

❖ Create a Class Calculator

- ✓ **Methods:** Should include at least `add(x, y)`, `subtract(x, y)`, `multiply(x, y)`, and `divide(x, y)`. Each method performs the respective operation and returns the result.

Question 03 (OOP Introduction)

100

❖ Class Counter

- ✓ **Attribute:** count, initially set to zero.
- ✓ **Methods:**
 - ✓ increment(): Increments count by 1.
 - ✓ decrement(): Decrements count by 1, but never below zero.
 - ✓ reset(): Resets count to zero.
 - ✓ get_count(): Returns the current value of count.

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Exercises 14

Score: 300

Question 01 (OOP ToDolist Project)

300

- ❖ **Create two Python classes: Task, with attributes for ID, title, and status, and TodoList, which manages a collection of Task objects. Include basic methods in Task for status updates and in TodoList for adding, removing, and displaying tasks.**

Thanks

Good Luck!

Don't give up on your dreams 😊