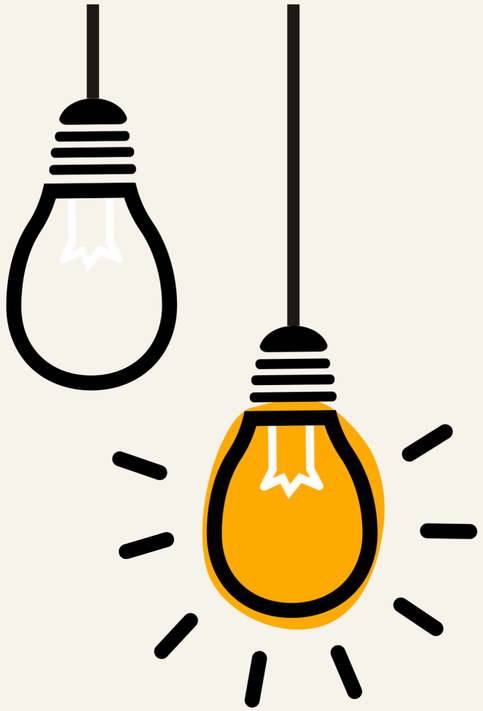


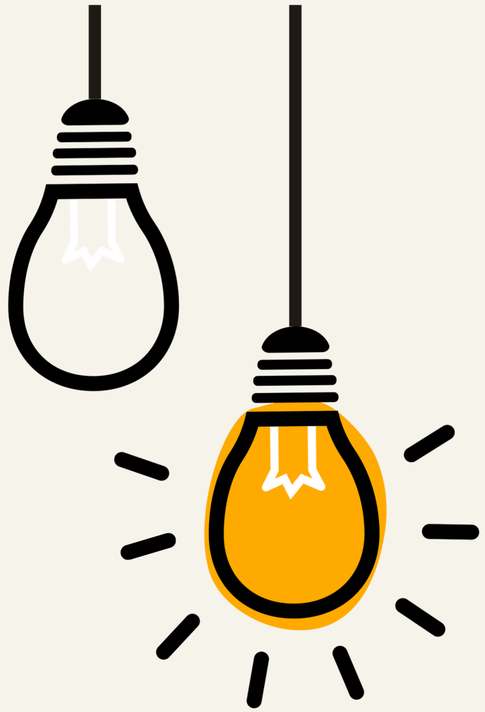
Filoger Comprehensive Python For AI Course 2024

Exercises 13 && 14

Deadline: 2024 2024 03 October

Score: 500 + 100(GitHub)

Thursday - 2024 26 September



Exercises 13

Deadline: 2024 03 October

Score: 300 + 50(GitHub)

Thursday - 2024 26 September

Question 01 (OOP)

Create a class Rectangle with attributes length and width and methods area(), perimeter() and display() for show length and width. Test your class by creating two objects and call attributes and methods for this objects.

Question 02 (OOP)

100

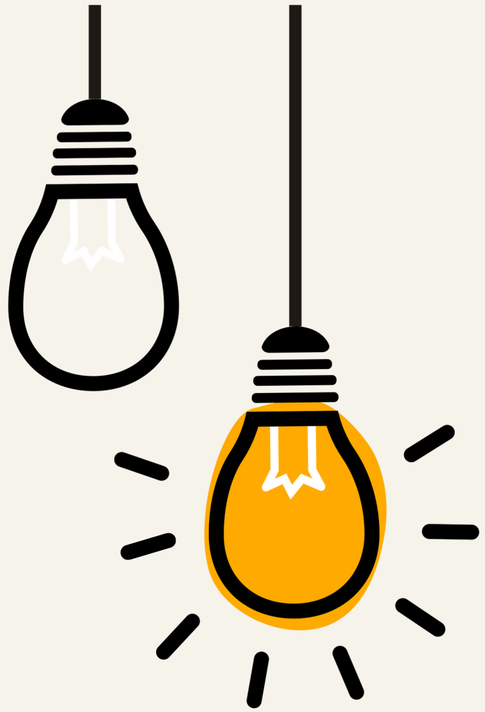
Create a Class Calculator

- **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)

Class Counter

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



Exercises 14

Deadline: 2024 03 October

Score: 200 + 50(GitHub)

Thursday - 2024 26 September

Question 01 (methods, attribute)

You need to create a Python class Book with the following specifications:

- Each book has a id, title, year, author, price, and discount (all provided when the book is created).
- The id of each book follows a specific format: the first two characters should be letters, and the last two should be digits (e.g., "AB12"). If the ID is not valid, raise a ValueError.
- The class should include a method to calculate the total price of the book. The total price is calculated as the book's price minus the discount.
- Include a method that prints how many books have been created.
- Implement the __str__ method that returns a string representing the book's details in the following format: "Title: {title}, Author: {author}, Year: {year}, Price: {total_price}".

Did you know *?*

You automatically
lose the chances you don't take.
Trust yourself. You can do this.

Don't give up on your dreams :)