

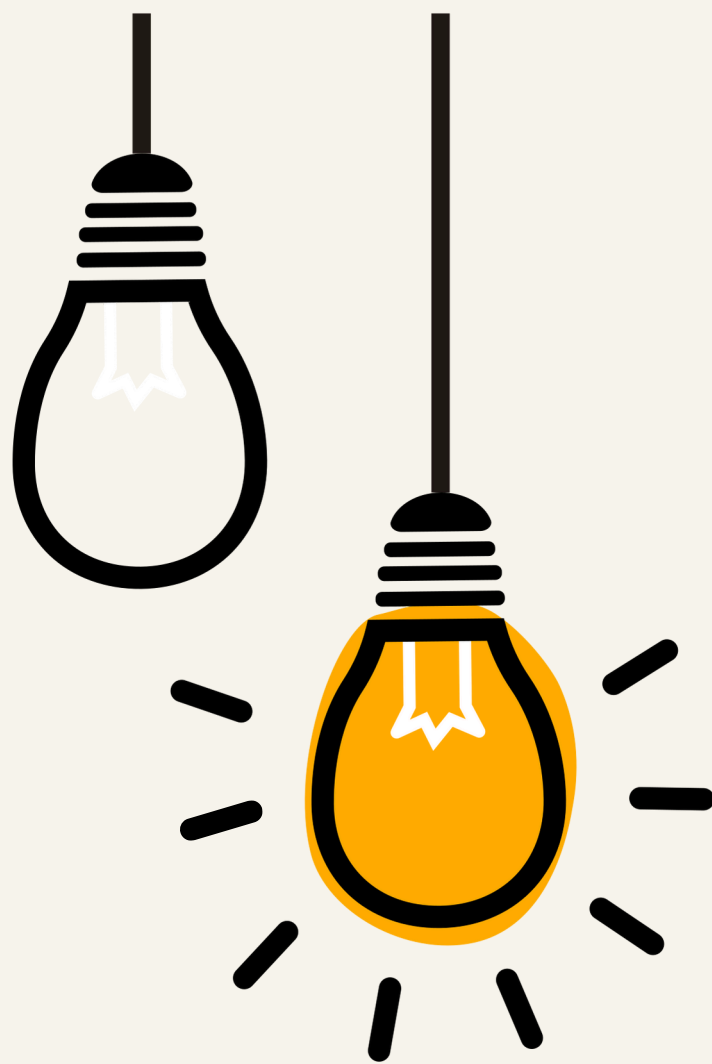
Filoger Comprehensive Python For AI Course 2024

Exercises 17 && 18

Deadline: 2024 17 October

Score: 300 + 100

Thursday - 2024 10 October



Exercises 17

Deadline: 2024 17 October

Github: 50

Score: 120



Thursday - 2024 10 October

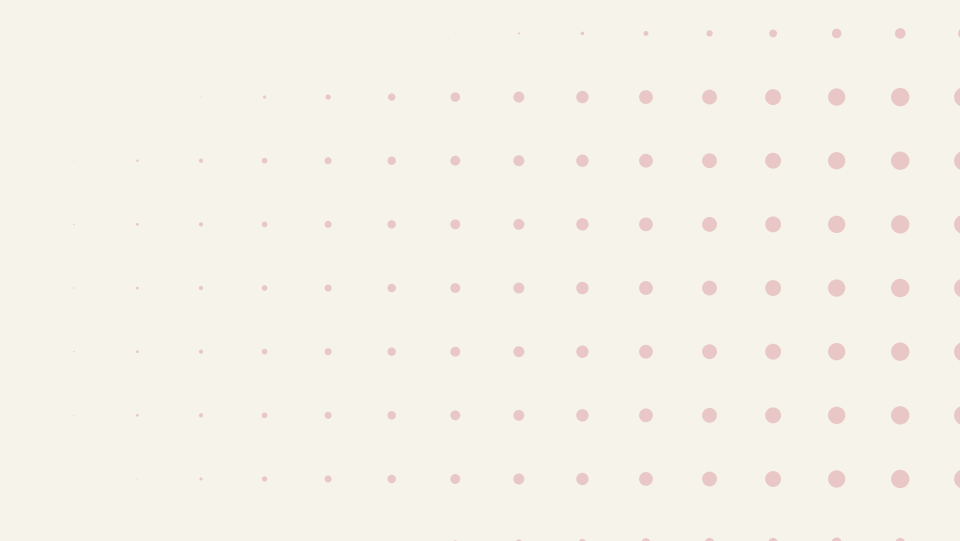


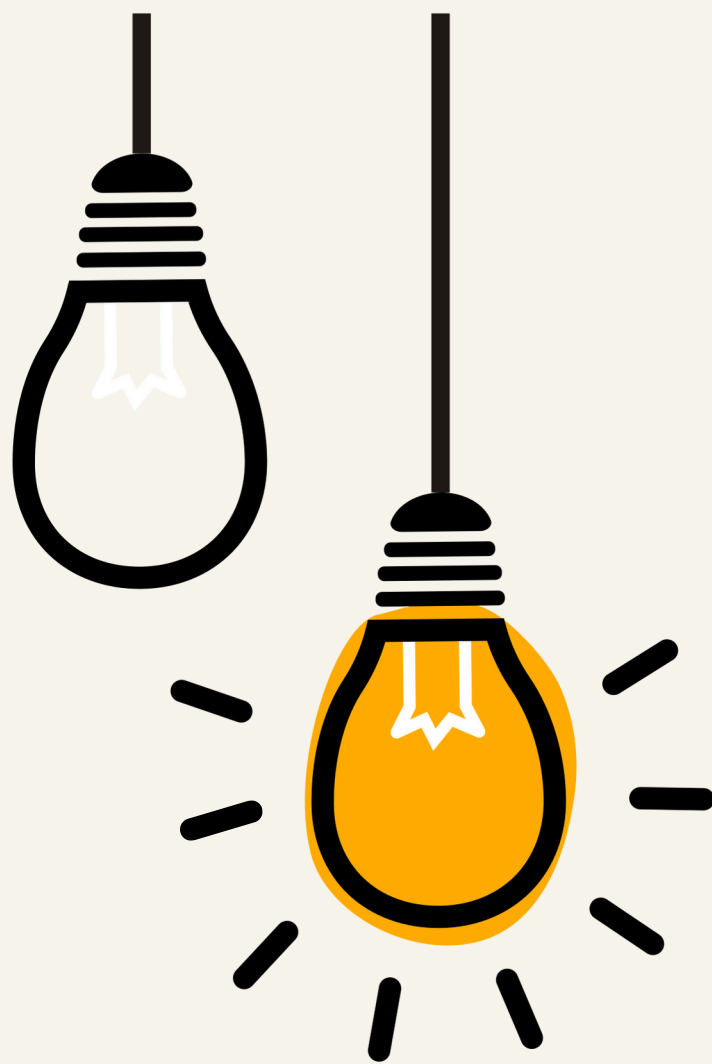


Question1(Inheritance)

120

Using four different examples, demonstrate all of the inheritance types that you have learned.

- **Single Inheritance**
 - **Multiple Inheritance**
 - **Multilevel Inheritance**
 - **Hierarchical Inheritance**
- 



Exercises 18

Deadline: 2024 17 October

Github: 50

Score: 180

Thursday - 2024 10 October

Question1(Abstraction)

180

Develop a library management system in Python with an abstract base class and specific subclasses using abstraction and polymorphism.

Abstract Base Class - LibraryItem:

- **Attributes: ID, title, author.**
- **Abstract Method - display_details: Declare without implementation. Subclasses will provide specific details.**



Question1(Abstraction)

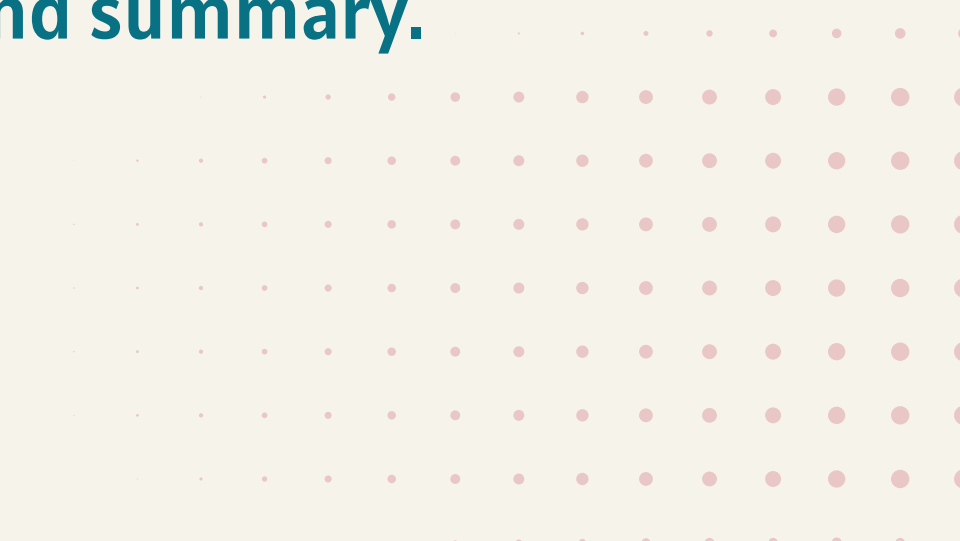
Subclass – Book:

- Additional Attributes: **pages, genre.**
- **display_details:** Implement to print book's ID, title, author, pages, and genre

Subclass – Magazine:

- Additional Attributes: **issue_number, publication_date.**
- **display_details:** Implement to print magazine's ID, title, issue number, and publication date.

Subclass – Article:

- Additional Attributes: **publication_date, summary.**
 - **display_details:** Implement to print article's ID, title, publication date, and summary.
- 

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 :)