

Exercises Week 3-2 (OOP- inheritance)

EX.6-1 Online Store Inheritance

Open VSC then -> File -> Open folder -> select "Python course" folder.

Create two files named "Product-v2.py" and "main-4.py". The file "main-4.py" will serve as the starting point for your program.

TASK: Create a parent class called **Product** that represents a product in an online store. It should have attributes like **name**, **price**, and **quantity**, and methods like **display()** and **calculate_total()**.

Create child classes like **Electronics**, **Clothing**, and **Books**, which inherit from the **Product** class. Add specific attributes and methods to each child class. For instance, Electronics could have an attribute **brand**, Clothing could have an attribute **size**, and Books could have an attribute **author**.

Test the functionality by creating instances of different product types and performing actions like displaying product information and calculating the total cost.