

Class_Act22



Activity 22: My Piggy Bank – Learning Encapsulation in Python



Objective:

To understand how **encapsulation** works by creating a class that **hides data** and **controls access** using getter and setter methods.



Scenario:

You have your own **PiggyBank**!

It keeps your **money safe**, so nobody can just take it out or add money directly.



Instructions:

♦ Part 1: Create the Class

1. Create a class called `PiggyBank`.
2. Add a **private variable** `__balance` and set it to 0 inside the constructor (`__init__`).
3. Add the following methods:
 - `deposit(amount)` – to add money, but only if the amount is positive.
 - `withdraw(amount)` – to subtract money, but only if there is enough balance.
 - `get_balance()` – returns the current balance.

♦ Part 2: Try It Out!

4. Ask the user to choose what they want to do:
 - Deposit money 💰
 - Withdraw money 📄
 - Check balance 📊
 - Exit ❌
5. Use a loop so they can do multiple actions.