**🏦 Banking Application**

A simple **Python-based Banking Application** that simulates core banking operations such as account creation, login, deposit, withdrawal, and balance inquiry. This project is built as a **console application** with a **modular design** to make the code easier to understand, extend, and maintain.

**✨ Overview**

Managing user accounts and performing basic banking transactions are essential concepts in both **real-world finance** and **software development learning**.  
This project is designed for:

* Beginners who want to practice **Python programming**
* Students exploring **object-oriented and modular coding**
* Developers looking for a **starting point to build a banking system**

**🚀 Features**

* 🔑 **User Authentication** – Create new accounts and log in securely
* 💰 **Balance Check** – View the current balance of an account
* ➕ **Deposit** – Add money to your account
* ➖ **Withdraw** – Withdraw money if sufficient balance is available
* 🗂️ **Modular Design** – Organized into separate files:
  + bankcore.py → Core logic & user management
  + account.py → Account operations
  + main.py → User interface & application runner

**🛠️ Tech Stack**

* **Language:** Python 3
* **Dependencies:** None (only standard Python libraries)
* **Platform:** Console-based application

**📂 Project Structure**

bank\_app/

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├── bankcore.py # Core data & authentication

├── account.py # Account operations

└── main.py # Entry point (run this file)

**📥 Installation & Usage**

1. Clone the repository:
2. git clone https://github.com/your-username/banking-application.git
3. cd banking-application
4. Run the application:
5. python main.py

**🎯 Future Improvements**

This project can be extended with advanced features such as:

* Transaction history logs
* Database (SQLite/MySQL) integration
* GUI (Graphical User Interface) with Tkinter or PyQt
* Online banking simulation with Flask/Django

**📌 Topics**

python · banking-application · console-app · bank-management-system · financial-app · cli-application · learning-python

**🤝 Contributing**

Contributions are welcome! Feel free to fork this repository, improve it, and submit a pull request.

**📜 License**

This project is open-source and available under the **MIT License**.