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import sqlite3

# connect to SQLite database
conn = sqlite3.connect(':memory:')
cursor = conn.cursor()

print("establish in-memory database connection")

    establish in-memory database connection

# create users table
cursor.execute('''CREATE TABLE IF NOT EXISTS users (
                id INTEGER PRIMARY KEY,
                name TEXT,
                balance REAL
            )''')

<sqlite3.Cursor at 0x790b902972c0>

# add/insert data
cursor.execute("INSERT INTO users (name, balance) VALUES (?,?)", ('Alice', 1000.0))
cursor.execute("INSERT INTO users (name, balance) VALUES (?,?)", ('Bob', 500.0))

<sqlite3.Cursor at 0x790b902972c0>

# function to handle transfer funds transaction
def transfer_funds(sender, recipient, amount):
    try:
        # check if transaction is active
        if not conn.in_transaction:
            # start transaction
            conn.execute("BEGIN")
        # check if sender has sufficient balance
        cursor.execute("SELECT balance FROM users WHERE name=?", (sender,))
        sender_balance = cursor.fetchone()[0]
        if sender_balance < amount:
            raise ValueError("Insufficient funds")

        # update sender's balance
        cursor.execute("UPDATE users SET balance = balance - ? WHERE name=?", (amount, sender))

        # update recipient's balance
        cursor.execute("UPDATE users SET balance = balance + ? WHERE name=?", (amount, recipient))

        # commit transaction
        if not conn.in_transaction:
            # commit only if not already in a transaction
            conn.commit()
        print("Transaction successful")
    except Exception as e:
        # rollback transaction if any error occurs
        if not conn.in_transaction:
            # rollback only if not already in a transaction
            conn.rollback()
        print(f"Transaction failed: {e}")

print("created function to handle transfer of funds")

    created function to handle transfer of funds

# perform a fund transfer
transfer_funds('Alice', 'Bob', 200.0)

    Transaction successful

# display balances after transaction
cursor.execute("SELECT name, balance FROM users")
print(cursor.fetchall())

    [('Alice', 800.0), ('Bob', 700.0)]

# close database connection

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conn.close()

print("close database connection")

    close database connection
```

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