Lending and Returning Library

1) books.dat = เก็บข้อมูลหนังสือ

ฟิลด์	ชนิดข้อมูล	ขนาด	ตัวอย่าง
book_id	int	4	2001
title	str	100	ComPro
author	str	100	Kanawath
publisher	str	100	Siam Book Co.
year_pub	int	4	2021
category	str	50	Computer
language	str	50	Thai
shelf_no	str	20	A3-15
total_copies	int	4	10

2) members.dat = เก็บข้อมูลสมาชิก

ฟิลด์	ชนิดข้อมูล	ขนาด	ตัวอย่าง
member_id	int	4	1001
name_surname	str	100	Kana Dech
birth_date	int	10	2002-05-12
gender	str	1	M
home_address	str	200	1/1 Bangkok
mobile	int	15	0888888888
Email_address	str	100	Test@email.com
reg_date	int	4	2023-01-01

3) borrows.dat = ตารางยืมคืน

ฟิลด์	ชนิดข้อมูล	ขนาด	ตัวอย่าง
member_id	Int	4	1001
book_id	Int	4	2001
date_out	Int	10	2025-09-05
date_due	Int	10	2025-09-05
date_return	Int	10	2025-09-07
status	str	20	Return
fine_amount	float	4,2	0.00
notes	str	200	-

```
Library Borrow System — Summary Report
Generated At : 2025-09-17 19:05 (+07:00)
App Version  : 1.0
Encoding     : UTF-8 (fixed-length)


--------------------------------------------------------------------------
BookID | Title                | Author     | Year | Copies | Borrowed | Status
--------------------------------------------------------------------------

2001   | ComPro               | Kanawath   | 2021 | 10     | 1        | Active
2002   | Python Programming   | Unknown    | 2020 | 5      | 1        | Active
2003   | Networking Basics    | Unknown    | 2019 | 3      | 1        | Active
2004   | Database System      | Unknown    | 2022 | 4      | 0        | Active
2005   | Computer Concepts    | Unknown    | 2023 | 2      | 0        | Active
--------------------------------------------------------------------------


Summary (Active Books Only)
- Total Books   : 5
- Active Books  : 5
- Deleted Books : 0
- Borrowed Now  : 3
- Available Now : 21
```

Library Borrow System – Borrowed Report

Generated At : 2025-09-27 21:30 (+07:00)

App Version : 1.0

Encoding   : UTF-8 (fixed-length)

MemberID	Member Name	Email	Title	Author	Date Out	Due Date	Fine Amount	Status
1002	Narin Boon	Test1@email.com	- Python Programming - Match Learning	Alex	2025-09-06	2025-09-13	20.00	Borrow
1003	Suda Lert	Test2@email.com	- Networking Basics - Happy life	Harry	2025-09-07	2025-09-14	22.00	Borrow
1004	Somchai Rakdee	Test3@email.com	- Database System - Hardware	Parry	2025-09-08	2025-09-15	165.50	Borrow
1005	Araya Wong	Test4@email.com	- Computer Concepts - Smart Home	John	2025-09-09	2025-09-16	40.00	Borrow

Summary (Borrowed Only)

- Borrowed Now : 4

- Members   : 4