

LIBRARY MANAGEMENT SYSTEM (EMBEDDED SQL)

- CS23I1027

1. ADD BOOK

```
Library Management System
1. Add Book
2. List Books
3. Add Lender
4. List Lenders
5. Add Transaction
6. List Transactions
7. Delete Book
8. Delete Lender
9. Delete Transaction
10. Update Book
11. Update Lender
12. Update Transaction
13. Search Book
14. Exit
Enter your choice: 1
Enter Book Title: Atomic Habits
Enter Author: James Clear
Enter Year: 2018
Enter ISBN: 100
Enter Number of Copies: 1000
Query Executed Successfully!
```

```
14. Exit
Enter your choice: 1
Enter Book Title: Psychology of Money
Enter Author: Morgan Housel
Enter Year: 2020
Enter ISBN: 200
Enter Number of Copies: 2000
Query Executed Successfully!
```

2. LIST BOOK

```
14. Exit
Enter your choice: 2
Book ID: 1 | Title: Atomic Habits | Author: James Clear | Year: 2018 | ISBN: 100 | Copies: 1000
Book ID: 2 | Title: Psychology of Money | Author: Morgan Housel | Year: 2020 | ISBN: 200 | Copies: 2000
```

3. ADD LENDER

```
Enter your choice: 3
Enter Lender Name: Harie
Enter Email: harie@123gmail.com
Enter Phone Number: 9585295459
Enter Address: xyxzklfshg
Query Executed Successfully!
```

4. LIST LENDER

```
Enter your choice: 4
Lender ID: 1 | Name: Harie | Email: harie@123gmail.com | Phone No: 9585295459 | Address: xyxzklfshg
Lender ID: 2 | Name: Jovan | Email: 10321jovan@gmail.com | Phone No: 9585875542 | Address: vhlhdgashgjd
```

5. ADD TRANSACTION

```
Enter your choice: 5
Enter Book ID: 1
Enter Lender ID: 1
Enter Issue Date (YYYY-MM-DD): 2024-10-16
Enter Return Date (YYYY-MM-DD): 2024-10-31
Query Executed Successfully!
```

```
Enter your choice: 5
Enter Book ID: 2
Enter Lender ID: 2
Enter Issue Date (YYYY-MM-DD): 2025-01-01
Enter Return Date (YYYY-MM-DD): 2025-02-01
Query Executed Successfully!
```

6. LIST TRANSACTION

```
Enter your choice: 6
Transaction ID: 1 | Book ID: 1 | Lender ID: 1 | Issue Date: 2024-10-16 | Return Date: 2024-10-31
Transaction ID: 2 | Book ID: 2 | Lender ID: 2 | Issue Date: 2025-01-01 | Return Date: 2025-02-01
```

7.DELETE BOOK

```
Enter your choice: 7
Enter Book ID to delete: 2
Query Executed Successfully!

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5. Add Transaction
6. List Transactions
7. Delete Book
8. Delete Lender
9. Delete Transaction
10. Update Book
11. Update Lender
12. Update Transaction
13. Search Book
14. Exit
Enter your choice: 2
Book ID: 1 | Title: Atomic Habits | Author: James Clear | Year: 2018 | ISBN: 100 | Copies: 1000
```

8. DELETE LENDER

```
Enter your choice: 8
Enter Lender id to delete:2
Query Executed Successfully!

Library Management System
1. Add Book
2. List Books
3. Add Lender
4. List Lenders
5. Add Transaction
6. List Transactions
7. Delete Book
8. Delete Lender
9. Delete Transaction
10. Update Book
11. Update Lender
12. Update Transaction
13. Search Book
14. Exit
Enter your choice: 4
Lender ID: 1 | Name: Harie | Email: harie@123gmail.com | Phone No: 9585295459 | Address: xyxzklfshg
```

9. DELETE TRANSACTION

```
Enter your choice: 9
Enter Transaction ID to delete: 2
Query Executed Successfully!

Library Management System
1. Add Book
2. List Books
3. Add Lender
4. List Lenders
5. Add Transaction
6. List Transactions
7. Delete Book
8. Delete Lender
9. Delete Transaction
10. Update Book
11. Update Lender
12. Update Transaction
13. Search Book
14. Exit
Enter your choice: 6
Transaction ID: 1 | Book ID: 1 | Lender ID: 1 | Issue Date: 2024-10-16 | Return Date: 2024-10-31
```

10. UPDATE BOOK

```
Enter your choice: 10
Enter Book ID to update: 1
Enter New Title: Physcology of Money
Enter New Author: Jovan Dominic
Enter New Year: 2020
Enter New ISBN: 300
Enter New Number of Copies: 1000
Query Executed Successfully!

Library Management System
1. Add Book
2. List Books
3. Add Lender
4. List Lenders
5. Add Transaction
6. List Transactions
7. Delete Book
8. Delete Lender
9. Delete Transaction
10. Update Book
11. Update Lender
12. Update Transaction
13. Search Book
14. Exit
Enter your choice: 2
Book ID: 1 | Title: Physcology of Money | Author: Jovan Dominic | Year: 2020 | ISBN: 300 | Copies: 1000
```

11. UPDATE LENDER

```
14. Exit
Enter your choice: 11
Enter Lender ID to update: 1
Enter New Name: Jeswin
Enter New Email: jeswin@1020gmail.com
Enter New Phone Number: 8585858585
Enter New Address: ghdighoshgd
Query Executed Successfully!

Library Management System
1. Add Book
2. List Books
3. Add Lender
4. List Lenders
5. Add Transaction
6. List Transactions
7. Delete Book
8. Delete Lender
9. Delete Transaction
10. Update Book
11. Update Lender
12. Update Transaction
13. Search Book
14. Exit
Enter your choice: 4
Lender ID: 1 | Name: Jeswin | Email: jeswin@1020gmail.com | Phone No: 8585858585 | Address: ghdighoshgd
```

12. UPDATE TRANSACTION

```
Enter your choice: 12
Enter Transaction ID to update: 1
Enter New Book ID: 1
Enter New Lender ID: 1
Enter New Issue Date (YYYY-MM-DD): 2020-01-01
Enter New Return Date (YYYY-MM-DD): 2020-02-02
Query Executed Successfully!

Library Management System
1. Add Book
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4. List Lenders
5. Add Transaction
6. List Transactions
7. Delete Book
8. Delete Lender
9. Delete Transaction
10. Update Book
11. Update Lender
12. Update Transaction
13. Search Book
14. Exit
Enter your choice: 6
Transaction ID: 1 | Book ID: 1 | Lender ID: 1 | Issue Date: 2020-01-01 | Return Date: 2020-02-02
```

13. SEARCH BOOK BY NAME

Enter your choice: 13

Enter Book Title to search: Atomic Habits

Book ID: 1 | Title: Atomic Habits | Author: James Clear | Year: 2018 | ISBN: 100 | Copies: 1000