

# Library Management System

We are going to build a project based on Library Management System. It keeps track of all information about books in the library, their cost, status and total number of books available in the library.

Create a database named library and the following TABLES in the database:

- 1. Branch
- 2. Employee
- 3. Books
- 4. Customer
- 5. IssueStatus
- 6. ReturnStatus

Attributes for the tables:

- 1. Branch

- Branch\_no
  - Set as PRIMARY KEY
  - Manager\_Id
  - Branch\_address
  - Contact\_no

- 2. Employee

- Emp\_Id – Set as PRIMARY KEY
- Emp\_name
- Position
- Salary
- Branch\_no
  - Set as FOREIGN KEY and it refer Branch\_no in Branch table

- 3. Books

- ISBN
  - Set as PRIMARY KEY
  - Book\_title
  - Category
  - Rental\_Price
  - Status [Give yes if book available and no if book not available]
  - Author
  - Publisher

- 4. Customer

- Customer\_Id
  - Set as PRIMARY KEY
  - Customer\_name
  - Customer\_address
  - Reg\_date

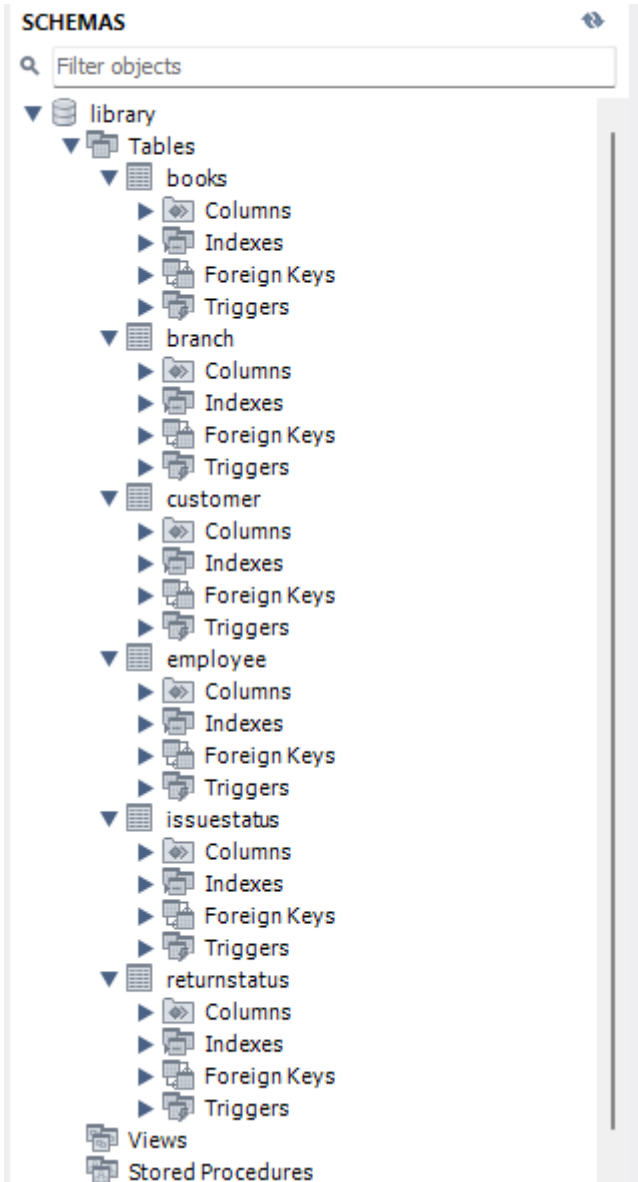
- 5. IssueStatus

- Issue\_Id
  - Set as PRIMARY KEY
  - Issued\_cust – Set as FOREIGN KEY and it refer customer\_id in CUSTOMER table
  - Issued\_book\_name
  - Issue\_date
  - Isbn\_book – Set as FOREIGN KEY and it should refer isbn in BOOKS table

6. ReturnStatus

- Return\_Id
  - Set as PRIMARY KEY
    - Return\_cust
    - Return\_book\_name
    - Return\_date
    - Isbn\_book2
  - Set as FOREIGN KEY and it should refer isbn in BOOKS table

Library Management System Database Schema



Display all the tables

Branch Table

64    # Insert values into branch table

65    •    INSERT INTO branch (Branch\_no, Manager\_Id, Branch\_address, Contact\_no)

66    VALUES

67        (1, 101, 'Near Sakthan Thampuran Palace, Thrissur', '9345678908'),    # 101 102 103 are manager id

68        (2, 102, 'Chamakkad-Amala Rd, Kuttoor, Kuttur', '8765432103'),

69        (3, 103, 'Near Peramangalam Police Station, Peramangalam', '9978901235');

70

71    •    SELECT \* FROM branch; # show branch table

72

Result Grid

Filter Rows:

Edit:    Export/Import:    Wrap Cell Content:

	Branch_no	Manager_Id	Branch_address	Contact_no
▶	1	101	Near Sakthan Thampuran Palace, Thrissur	9345678908
	2	102	Chamakkad-Amala Rd, Kuttoor, Kuttur	8765432103
	3	103	Near Peramangalam Police Station, Peramangalam	9978901235
*	NULL	NULL	NULL	NULL

Employee Table

SCHEMAS

Filter objects

library

Tables

books

Columns

Indexes

Foreign Keys

Triggers

branch

Columns

Indexes

Foreign Keys

Triggers

customer

Columns

Indexes

Foreign Keys

Triggers

employee

Columns

Emp\_Id

Emp\_name

Position

Salary

Branch\_no

Indexes

Foreign Keys

Triggers

issuestatus

Columns

Indexes

Foreign Keys

Triggers

returnstatus

Columns

Indexes

Administration

Schemas

Information

Column: Position

Collation: utf8mb4\_0900\_ai\_ci

Definition:  
Position varchar(50)

110

111

112

113

114

115

116

117

118

119

(128,'Rajen M R','Volunteer Coordinator', 20000.00,1), # branch 1

(129,'Kamala S','Volunteer Coordinator', 20000.00,2), # branch 2

(130,'Veena R Nair','Volunteer Coordinator', 20000.00,3); # branch 3

# Show Employee Table

SELECT \* FROM employee;

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

	Emp_Id	Emp_name	Position	Salary	Branch_no
▶	101	Anjali V Gopi	Librarian/Manager	60000.00	1
	102	Anjay V Gopi	Librarian/Manager	60000.00	2
	103	Sreejith C Babu	Librarian/Manager	60000.00	3
	104	Akhil R	Library Assistant	25000.00	1
	105	Ajith V R	Library Assistant	25000.00	2
	106	Sanal C Babu	Library Assistant	25000.00	3
	107	Arya R	Library Clerk	15000.00	1
	108	Athira V A	Library Clerk	15000.00	2
	109	Sadhosh C	Library Clerk	15000.00	3
	110	Achu R Babu	Cataloger	40000.00	1
	111	Alphonsa K R	Cataloger	40000.00	2
	112	Sonu C J	Cataloger	40000.00	3
	113	Amal Anand S	Children's Librarian	30000.00	1
	114	Sana Jose	Children's Librarian	30000.00	2
	115	Jomon T J	Children's Librarian	30000.00	3
	116	Amala S Paul	IT Support Speci...	50000.00	1
	117	Jose M k	IT Support Speci...	50000.00	2
	118	John Tarakan	IT Support Speci...	50000.00	3
	119	Paul Wilson	Archivist	45000.00	1
	120	Mini k R	Archivist	45000.00	2
	121	John K T	Archivist	45000.00	3
	122	John Wilson	Circulation Super...	35000.00	1
	123	Nina R J	Circulation Super...	35000.00	2
	124	Gopakumar P	Circulation Super...	35000.00	3
	125	Sreeja Rajen	Custodian/Janitor	12000.00	1
	126	Thanka P k	Custodian/Janitor	12000.00	2
	127	Priya V R	Custodian/Janitor	12000.00	3
	128	Rajen M R	Volunteer Coordi...	20000.00	1
	129	Kamala S	Volunteer Coordi...	20000.00	2
	130	Veena R Nair	Volunteer Coordi...	20000.00	3
*	NULL	NULL	NULL	NULL	NULL

Books Table

SCHEMAS

Filter objects

library

Tables

books

Columns

ISBN

Book\_title

Category

Rental\_Price

Status

Author

Publisher

Indexes

Foreign Keys

Triggers

branch

Columns

Indexes

Foreign Keys

Triggers

customer

Columns

Indexes

Foreign Keys

Triggers

employee

Columns

Emp\_Id

Emp\_name

Position

Salary

Branch\_no

Indexes

Foreign Keys

Triggers

issuestatus

Administration

Schemas

Information

Column: Position

Find

Q|-9780812981605

189 ('9780132141071', 'Fundamentals of Microelectronics', 'Electronics', 220.00, 'NO', 'Behzad Razavi', 'Wiley');

190 # Show books Table

191 • SELECT \* FROM books;

192

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

ISBN	Book_title	Category	Rental_Price	Status	Author	Publisher
9780006479888	The Hobbit	Fantasy	150.00	YES	J.R.R. Tolkien	Houghton Mifflin
9780060853983	Good Omens	Fantasy	160.00	YES	Neil Gaiman & Terry Pratchett	William Morrow
9780060935467	The Secret History	Fiction	140.00	YES	Donna Tartt	Vintage
9780062315007	Quiet: The Power of Introverts	Self-Help	160.00	YES	Susan Cain	Broadway Books
9780062316097	The Immortal Life of Henrietta Lacks	Science	180.00	NO	Rebecca Skloot	Crown Publishing
9780062457714	Everything Is F*cked: A Book About Hope	Self-Help	160.00	YES	Mark Manson	HarperOne
9780073380546	Digital Design	Electronics	210.00	YES	Morris Mano	Pearson
9780073529600	Microelectronic Circuits	Electronics	230.00	NO	Adel S. Sedra & Kenneth C. Smith	Oxford University Press
9780099518471	Catch-22	Fiction	140.00	YES	Joseph Heller	Penguin Books
9780131687800	The Art of Electronics	Electronics	250.00	YES	Paul Horowitz & Winfield Hill	Cambridge University Press
9780132141071	Fundamentals of Microelectronics	Electronics	220.00	NO	Behzad Razavi	Wiley
9780132350884	Clean Code: A Handbook of Agile Softwa...	Programm...	200.00	YES	Robert C. Martin	Prentice Hall
9780134685991	Effective Java	Programm...	190.00	YES	Joshua Bloch	Addison-Wesley
9780140283334	Life of Pi	Fiction	150.00	NO	Yann Martel	Vintage Books
9780140449136	The Odyssey	Philosophy	130.00	NO	Homer	Penguin Classics
9780140449266	Meditations	Philosophy	110.00	YES	Marcus Aurelius	Penguin Classics
9780140449334	The Republic	Philosophy	120.00	YES	Plato	Penguin Classics
9780141040340	Guns, Germs, and Steel	Science	180.00	YES	Jared Diamond	W. W. Norton & Company
9780141182803	Atonement	Fiction	160.00	YES	Ian McEwan	Anchor Books
9780142437339	Moby-Dick	Fiction	150.00	YES	Herman Melville	Penguin Classics
9780143039433	The Tipping Point	Non-fiction	180.00	NO	Malcolm Gladwell	Back Bay Books
9780143110439	Into the Wild	Non-fiction	140.00	YES	Jon Krakauer	Anchor Books
9780143118298	The Silk Roads: A New History of the World	History	170.00	YES	Peter Frankopan	Vintage
9780143119753	Grit: The Power of Passion and Persever...	Non-fiction	180.00	YES	Angela Duckworth	Scribner
9780143127550	Just Mercy	Non-fiction	150.00	YES	Bryan Stevenson	Spiegel & Grau
9780195170274	The History of the Ancient World	History	180.00	NO	Susan Wise Bauer	W.W. Norton
9780201616224	The Pragmatic Programmer	Programm...	180.00	NO	Andrew Hunt & David Thomas	Addison-Wesley
9780307387424	Team of Rivals: The Political Genius of Ab...	History	190.00	YES	Doris Kearns Goodwin	Simon & Schuster
9780307389642	Unbroken	Biography	170.00	YES	Laura Hillenbrand	Random House
9780345478045	1776	History	180.00	NO	David McCullough	Simon & Schuster

Customer Table

SCHEMAS

Filter objects

library

Tables

books

branch

customer

employee

issuestatus

Columns

Indexes

Foreign Keys

Triggers

returnstatus

Columns

Indexes

Foreign Keys

Triggers

Views

Stored Procedures

Functions

sakila

sys

Find

Q|-9780812981605

216 (20, 'Janaki Nair', 'kuttur, Thrissur', '2024-04-29');

217

218 # Show Customer Table

219 • SELECT \* FROM customer;

220

221

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

Customer_Id	Customer_name	Customer_address	Reg_date
1	Anjali Nair	Pokkattumuri, Thrissur	2020-01-15
2	Aishwarya Menon	Puthur, Thrissur	2023-02-20
3	Divya Nair	Mannuthy, Thrissur	2023-03-05
4	Gayatri Menon	Kunnathunadu, Thrissur	2023-04-10
5	Lakshmi Nair	Irinjalakuda, Thrissur	2022-05-25
6	Meera Menon	Ollur, Thrissur	2023-06-15
7	Nivedita Nair	Pudukad, Thrissur	2021-07-22
8	Priya Menon	Guruvayur, Thrissur	2021-08-30
9	Sreelakshmi Nair	Chalakudy, Thrissur	2024-05-10
10	Asha Menon	Mulankunnathukavu, Thrissur	2023-09-25
11	Anu Menon	Kuttur, Thrissur	2022-03-18
12	Bindu Nair	kottekkad, Thrissur	2021-11-05
13	Chandrika Menon	Kunnamkulam, Thrissur	2024-02-12
14	Deepa Nair	kottekkad, Thrissur	2020-09-28
15	Eesha Menon	Chavakkad, Thrissur	2023-07-04
16	Fathima Nair	kuttur, Thrissur	2021-05-19
17	Ganga Menon	Puthukkad, Thrissur	2024-01-25
18	Hema Nair	Ayyanthole, Thrissur	2020-08-11
19	Indira Menon	Vadanappally, Thrissur	2020-12-22
20	Janaki Nair	kuttur, Thrissur	2024-04-29
NULL	NULL	NULL	NULL



IssueStatus Table

SCHEMAS

Filter objects

library

Tables

books

branch

customer

employee

issuestatus

returnstatus

Columns

Indexes

Foreign Keys

Triggers

Views

Stored Procedures

Functions

sakila

sys

Find

Q|-9780385333849

235

(12, 12, '2023-07-25', '9780307389642'),

236

(13, 13, '2024-08-10', '9780073380546'),

237

(14, 17, '2024-09-05', '9780143110439'),

238

(15, 20, '2024-09-28', '9780062316097');

239

240

# Show Issuestatus Table

241

• SELECT \* FROM issuestatus;

242

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

	Issue_Id	Issued_cust	Issue_date	Isbn_book
▶	1	1	2024-01-15	9780140283334
	2	2	2024-02-22	9780143118298
	3	3	2024-03-10	9780131687800
	4	4	2024-04-15	9780553573404
	5	5	2023-05-30	9780596007126
	6	6	2023-06-20	9780132141071
	7	7	2024-07-25	9780143110439
	8	8	2023-08-10	9780307387424
	9	9	2024-09-05	9780553573404
	10	10	2023-09-30	9781491950357
	11	11	2024-06-20	9780141040340
	12	12	2023-07-25	9780307389642
	13	13	2024-08-10	9780073380546
	14	17	2024-09-05	9780143110439
	15	20	2024-09-28	9780062316097
*	NULL	NULL	NULL	NULL

ReturnStatus Table

SCHEMAS

Filter objects

library

Tables

books

branch

customer

employee

issuestatus

returnstatus

Columns

Return\_Id

Return\_cust

Return\_book\_name

Return\_date

Isbn\_book2

Indexes

Foreign Keys

Triggers

Views

Stored Procedures

Functions

sakila

sys

Find

Q|-9780140283334

245

VALUES

246

(1, 1, 'Microelectronic Circuits', '2024-09-23','9780073529600'),

247

(2, 2, 'Python for Data Analysis', '2024-07-28','9781491950357'),

248

(3, 3, 'Clean Code: A Handbook of Agile Software Craftsmanship', '2024-03-25','9780132350884'),

249

(4, 4, 'Steve Jobs', '2024-02-28','9780385514231'),

250

(5, 20, 'A Game of Thrones', '2024-09-28','9780553573404');

251

252

# Show returnstatus table

253

• SELECT \* FROM returnstatus;

254

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

	Return_Id	Return_cust	Return_book_name	Return_date	Isbn_book2
▶	1	1	Microelectronic Circuits	2024-09-23	9780073529600
	2	2	Python for Data Analysis	2024-07-28	9781491950357
	3	3	Clean Code: A Handbook of Agile Software Craf...	2024-03-25	9780132350884
	4	4	Steve Jobs	2024-02-28	9780385514231
	5	20	A Game of Thrones	2024-09-28	9780553573404
*	NULL	NULL	NULL	NULL	NULL

Write the queries for the following :

1. Retrieve the book title, category, and rental price of all available books.

SCHEMAS

Filter objects

library

Tables

books

branch

customer

employee

issuestatus

returnstatus

Views

Stored Procedures

Functions

sakila

sys

Administration

Schemas

Information

Table: books

Columns:

ISBN

varchar(13) PK

Book\_title

varchar(255)

Category

varchar(50)

Rental\_Price

decimal(10,2)

Status

char(3)

Author

varchar(255)

Publisher

varchar(255)

Find

255

256 # 1. Retrieve the boobooks title, category, and rental price of all available books.

257 • SELECT Book\_title, Category, Rental\_Price FROM books WHERE Status = 'YES';

258

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Book_title	Category	Rental_Price
The Hobbit	Fantasy	150.00
Good Omens	Fantasy	160.00
The Secret History	Fiction	140.00
Quiet: The Power of Introverts	Self-Help	160.00
Everything Is F*cked: A Book About Hope	Self-Help	160.00
Digital Design	Electronics	210.00
Catch-22	Fiction	140.00
The Art of Electronics	Electronics	250.00
Clean Code: A Handbook of Agile Software Craf...	Programming	200.00
Effective Java	Programming	190.00
Meditations	Philosophy	110.00
The Republic	Philosophy	120.00
Guns, Germs, and Steel	Science	180.00
Atonement	Fiction	160.00
Moby-Dick	Fiction	150.00
Into the Wild	Non-fiction	140.00
The Silk Roads: A New History of the World	History	170.00
Grit: The Power of Passion and Perseverance	Non-fiction	180.00
Just Mercy	Non-fiction	150.00
Team of Rivals: The Political Genius of Abraham ...	History	190.00
Unbroken	Biography	170.00
Norwegian Wood	Fiction	150.00
Born a Crime	Non-fiction	175.00
The Subtle Art of Not Giving a F*ck	Self-Help	150.00
The Four Agreements	Self-Help	130.00
Sapiens: A Brief History of Humankind	Science	200.00
Atomic Habits	Self-Help	175.00
Harry Potter and the Goblet of Fire	Fantasy	140.00
Educated: A Memoir	Non-fiction	160.00
Head First Design Patterns	Programming	210.00
The Glass Castle	Biography	145.00
Electronics for Dummies	Electronics	180.00
Becoming	Biography	180.00

2. List the employee names and their respective salaries in descending order of salary.

```
Find
```

```
259  
260      # 2. List the employee names and their respective salaries in descending order of salary.  
261 •    SELECT Emp_name, Salary FROM employee ORDER BY Salary DESC;  
262
```

---

Result Grid | Filter Rows:  | Export: | Wrap Cell Content:

	Emp_name	Salary
▶	Anjali V Gopi	60000.00
	Anjay V Gopi	60000.00
	Sreejith C Babu	60000.00
	Amala S Paul	50000.00
	Jose M k	50000.00
	John Tarakan	50000.00
	Paul Wilson	45000.00
	Mini k R	45000.00
	John K T	45000.00
	Achu R Babu	40000.00
	Alphonsa K R	40000.00
	Sonu C J	40000.00
	John Wilson	35000.00
	Nina R J	35000.00
	Gopakumar P	35000.00
	Amal Anand S	30000.00
	Sana Jose	30000.00
	Jomon T J	30000.00
	Akhil R	25000.00
	Ajith V R	25000.00
	Sanal C Babu	25000.00
	Rajen M R	20000.00
	Kamala S	20000.00
	Veena R Nair	20000.00
	Arya R	15000.00
	Athira V A	15000.00
	Sadhosh C	15000.00
	Sreeja Rajen	12000.00
	Thanka P k	12000.00
	Priya V R	12000.00

3. Retrieve the book titles and the corresponding customers who have issued those books.

SCHEMAS

Filter objects

library

Tables

books

Columns

ISBN

Book\_title

Category

Rental\_Price

Status

Author

Publisher

Indexes

Foreign Keys

Triggers

branch

customer

Columns

Customer\_Id

Customer\_name

Customer\_address

Reg\_date

Indexes

Foreign Keys

Triggers

employee

issuestatus

Columns

Issue\_Id

Issued\_cust

Issue\_date

Isbn\_book

Indexes

Foreign Keys

Triggers

returnstatus

Administration

Schemas

Information

Column: Customer\_Id

Definition: Customer\_Id int PK

Find

# 3. Retrieve the book titles and the corresponding customers who have issued those books.

SELECT books.Book\_title, customer.Customer\_name

FROM books

INNER JOIN issuestatus ON books.ISBN = issuestatus.Isbn\_book

INNER JOIN customer ON issuestatus.Issued\_cust = customer.Customer\_Id;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Book_title	Customer_name
Life of Pi	Anjali Nair
The Silk Roads: A New History of the World	Aishwarya Menon
The Art of Electronics	Divya Nair
A Game of Thrones	Gayatri Menon
Head First Design Patterns	Lakshmi Nair
Fundamentals of Microelectronics	Meera Menon
Into the Wild	Nivedita Nair
Team of Rivals: The Political Genius of Abraham ...	Priya Menon
A Game of Thrones	Sreelakshmi Nair
Python for Data Analysis	Asha Menon
Guns, Germs, and Steel	Anu Menon
Unbroken	Bindu Nair
Digital Design	Chandrika Menon
Into the Wild	Ganga Menon
The Immortal Life of Henrietta Lacks	Janaki Nair

4. Display the total count of books in each category.

SCHEMAS

Filter objects

library

Tables

books

Columns

ISBN

Book\_title

Category

Rental\_Price

Status

Author

Publisher

Indexes

Foreign Keys

Triggers

branch

customer

Columns

Customer\_Id

Customer\_name

Customer\_address

Reg\_date

Indexes

Foreign Keys

Triggers

employee

issuestatus

Columns

Issue\_Id

Issued\_cust

Issue\_date

Isbn\_book

Indexes

Foreign Keys

Administration

Schemas

Information

Find

# 4. Display the total count of books in each category.

SELECT Category, COUNT(\*) AS 'Number Of Books'

FROM books

GROUP BY Category;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Category	Number Of Books
Fantasy	4
Fiction	7
Self-Help	5
Science	3
Electronics	5
Programming	5
Philosophy	3
Non-fiction	7
History	4
Biography	5



5. Retrieve the employee names and their positions for the employees whose salaries are above Rs.50,000.

SCHEMAS

Filter objects

library

Tables

books

branch

customer

employee

Columns

Emp\_Id

Emp\_name

Position

Salary

Branch\_no

Indexes

Foreign Keys

Triggers

issuestatus

returnstatus

Views

Stored Procedures

Functions

sakila

sys

275

276

277

# 5. Retrieve the employee names and their positions for the employees whose salaries are above Rs.50,000.

278

SELECT

 Emp\_name AS 'Employee Name' ,Position FROM employee WHERE Salary > 50000;

279

280

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	Employee Name	Position
▶	Anjali V Gopi	Librarian/Manager
	Anjay V Gopi	Librarian/Manager
	Sreejith C Babu	Librarian/Manager

6. List the customer names who registered before 2022-01-01 and have not issued any books yet.

SCHEMAS

Filter objects

library

Tables

books

branch

customer

Columns

Customer\_Id

Customer\_name

Customer\_address

Reg\_date

Indexes

Foreign Keys

Triggers

employee

Columns

Emp\_Id

Emp\_name

Position

Salary

Branch\_no

Indexes

Foreign Keys

Triggers

issuestatus

Columns

Issue\_Id

Issued\_cust

Issue\_date

Isbn\_book

Indexes

Foreign Keys

Triggers

returnstatus

Views

Stored Procedures

279

280

281

# 6. List the customer names who registered before 2022-01-01 and have not issued any books yet.

282

SELECT

 Customer\_name AS 'Customer name', Reg\_date AS'Registered Date'

283

FROM customer

284

LEFT JOIN issuestatus ON customer.Customer\_Id = issuestatus.Issued\_cust

285

WHERE issuestatus.Issue\_Id IS NULL AND customer.Reg\_date < '2022-01-01';

286

287

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	Customer name	Registered Date
▶	Deepa Nair	2020-09-28
	Fathima Nair	2021-05-19
	Hema Nair	2020-08-11
	Indira Menon	2020-12-22

Administration

SCHEMAS

Information

Column: Reg\_date

Result 3

7. Display the branch numbers and the total count of employees in each branch.

SCHEMAS

Filter objects

library

Tables

books

branch

customer

Columns

Customer\_Id

Customer\_name

Customer\_address

Reg\_date

Indexes

Foreign Keys

Triggers

employee

Columns

Emp\_Id

Emp\_name

Position

Salary

Branch\_no

Indexes

Foreign Keys

Triggers

issuestatus

Columns

Issue\_Id

Issued\_cust

Issue\_date

Isbn\_book

Indexes

Foreign Keys

Triggers

returnstatus

Views

Stored Procedures

286

287

288

# 7. Display the branch numbers and the total count of employees in each branch.

289

•

SELECT Branch\_no AS 'Branch number', COUNT(\*) AS 'Number of Employees'

290

FROM employee

291

GROUP BY Branch\_no;

292

293

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	Branch number	Number of Employees
▶	1	10
	2	10
	3	10

8. Display the names of customers who have issued books in the month of June 2023.

SCHEMAS

Filter objects

library

Tables

books

branch

customer

employee

Columns

Emp\_Id

Emp\_name

Position

Salary

Branch\_no

Indexes

Foreign Keys

Triggers

issuestatus

Columns

Issue\_Id

Issued\_cust

Issue\_date

Isbn\_book

Indexes

Foreign Keys

Triggers

returnstatus

Views

293

294

295

# 8. Display the names of customers who have issued books in the month of June 2023.

296

•

SELECT Customer\_name AS 'Customer Name', issuestatus.Issue\_date AS 'Issue Date'

297

FROM customer

298

INNER JOIN issuestatus on customer.Customer\_Id = issuestatus.Issued\_cust

299

WHERE MONTH(issuestatus.Issue\_date) = 6 AND YEAR(issuestatus.Issue\_date) = 2023;

300

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	Customer Name	Issue Date
▶	Meera Menon	2023-06-20

9. Retrieve book\_title from the book table containing history.

Navigator

SCHEMAS

Filter objects

library

Tables

books

Columns

ISBN

Book\_title

Category

Rental\_Price

Status

Author

Publisher

Indexes

Foreign Keys

Triggers

branch

customer

employee

Columns

Emp\_Id

Emp\_name

Position

Salary

Branch\_no

300

301

302 # 9. Retrieve book\_title from book table containing history.

303 • SELECT Book\_title AS 'Book titles containing history'

304 FROM books

305 WHERE Book\_title LIKE '%history%';

306

307

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Book titles containing history
The Secret History
The Silk Roads: A New History of the World
The History of the Ancient World
Sapiens: A Brief History of Humankind

10. Retrieve the branch numbers along with the count of employees for branches having more than 5 employees.

SCHEMAS

Filter objects

Book\_title

Category

Rental\_Price

Status

Author

Publisher

Indexes

Foreign Keys

Triggers

branch

Columns

Branch\_no

Manager\_Id

Branch\_address

Contact\_no

Indexes

Foreign Keys

Triggers

customer

employee

issuestatus

Columns

Issue\_Id

Issued\_cust

Issue\_date

Isbn\_book

307

308 # 10.Retrieve the branch numbers along with the count of branch numbers for branches having more than 5 employees

309 • SELECT Branch\_no AS 'Branch number' , COUNT(\*) AS'Employee count'

310 FROM employee

311 GROUP BY Branch\_no

312 HAVING COUNT(\*) > 5;

313

314

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Branch number	Employee count
1	10
2	10
3	10

11. Retrieve the names of employees who manage branches and their respective branch addresses.

SCHEMAS

Filter objects

library

Tables

books

Columns

ISBN

Book\_title

Category

Rental\_Price

Status

Author

Publisher

Indexes

Foreign Keys

Triggers

branch

customer

employee

Columns

Emp\_Id

Emp\_name

Position

Salary

Branch\_no

Indexes

Foreign Keys

314

315

316

# 11. Retrieve the names of employees who manage branches and their respective branch addresses.

317

SELECT

employee.Emp\_name

AS

'Employee Name'

,

branch.Branch\_address

AS

'Branch Address'

318

FROM employee

319

INNER JOIN branch ON employee.Emp\_Id = branch.Manager\_Id;

320

321

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	Employee Name	Branch Address
▶	Anjali V Gopi	Near Sakthan Thampuran Palace, Thrissur
	Anjay V Gopi	Chamakkad-Amala Rd, Kuttoor, Kuttur
	Sreejith C Babu	Near Peramangalam Police Station, Peramangalam

12. Display the names of customers who have issued books with a rental price higher than Rs. 25.

SCHEMAS

Filter objects

library

Tables

books

Columns

ISBN

Book\_title

Category

Rental\_Price

Status

Author

Publisher

Indexes

Foreign Keys

Triggers

branch

customer

Columns

Customer\_Id

Customer\_name

Customer\_address

Reg\_date

Indexes

Foreign Keys

Triggers

employee

Columns

Emp\_Id

Emp\_name

Position

Salary

Branch\_no

Indexes

Foreign Keys

Triggers

issuestatus

321

322

323

# 12. Display the names of customers who have issued books with a rental price higher than Rs. 25.

324

SELECT

customer.Customer\_name

AS

'Customers who have issued books with a rental price higher than Rs. 25'

325

FROM customer

326

INNER JOIN issuestatus ON customer.Customer\_Id = issuestatus.Issued\_cust

327

INNER JOIN books ON issuestatus.Isbn\_book = books.ISBN

328

WHERE books.Rental\_Price > 25;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	Customers who have issued books with a rental price higher than Rs. 25
▶	Anjali Nair
	Aishwarya Menon
	Divya Nair
	Gayatri Menon
	Lakshmi Nair
	Meera Menon
	Nivedita Nair
	Priya Menon
	Sreelakshmi Nair
	Asha Menon
	Anu Menon
	Bindu Nair
	Chandrika Menon
	Ganga Menon
	Janaki Nair