

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

mysql project* SQL File 3*

```
1 -- Module End Project
2 /*Topic : Library Management System
3 You 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
4 Create a database named library and following TABLES in the database:
5 1. Branch
6 2. Employee
7 3. Books
8 4. Customer
9 5. IssueStatus
10 5. ReturnStatus
11 Attributes for the tables:
12 1. Branch
13 Branch_no - Set as PRIMARY KEY
14 Manager_Id
15 Branch_address
16 Contact_no
17 2. Employee
18 Emp_Id - Set as PRIMARY KEY
19 Emp_name
20 Position
21 Salary
22 Branch_no - Set as FOREIGN KEY and it refer Branch_no in Branch table
23 3. Books
```

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mysql project* SQL File 3*

```
23 3. Books
24 ISBN - Set as PRIMARY KEY
25 Book_title
26 Category
27 Rental_Price
28 Status [Give yes if book available and no if book not available]
29 Author
30 Publisher
31 4. Customer
32 Customer_Id - Set as PRIMARY KEY
33 Customer_name
34 Customer_address
35 Reg_date
36 5. IssueStatus
37 Issue_Id - Set as PRIMARY KEY
38 Issued_cust - Set as FOREIGN KEY and it refer customer_id in CUSTOMER table Issued_book_name
39 Issue_date
40 Isbn_book - Set as FOREIGN KEY and it should refer isbn in BOOKS table
41 6. ReturnStatus
42 Return_Id - Set as PRIMARY KEY
43 Return_cust
44 Return_book_name
45 Return_date
```

MySQL Workbench

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File Edit View Query Database Server Tools Scripting Help

Navigator: myid.project* SQL File 3*

SCHEMAS Filter objects library Tables Views Stored Procedures Functions managersinfo organization personalinfo Views Stored Procedures Functions product sales school schoolinfo

```

45  Return_date
46  Isbn_book2 - Set as FOREIGN KEY and it should refer isbn in BOOKS table*/
47
48  -- Database Creation
49  • create database library;
50
51  -- Use the created database
52  • use library;
53
54

```

Output Action Output

#	Time	Action	Message	Duration / Fetch
1	22:41:00	create database library	1 row(s) affected	0.031 sec
2	22:41:07	use library	0 row(s) affected	0.032 sec

No object selected

Object Info Session

MySQL Workbench

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File Edit View Query Database Server Tools Scripting Help

Navigator: myid.project* SQL File 3*

SCHEMAS Filter objects library Tables Views Stored Procedures Functions managersinfo organization personalinfo Views Stored Procedures Functions product sales school schoolinfo

```

54
55  -- Create the Branch table
56  • ◊ create table Branch (
57    Branch_no int primary key,
58    Manager_Id varchar(10),
59    Branch_address varchar(100),
60    Contact_no varchar(15)
61  );
62
63  -- Create the Employee table
64  • ◊ create table Employee (
65    Emp_Id int primary key,
66    Emp_name varchar(20),
67    Position varchar(20),
68    Salary decimal(10, 2),
69    Branch_no int,
70    foreign key (Branch_no) references Branch(Branch_no)
71  );

```

Output Action Output

#	Time	Action	Message	Duration / Fetch
1	22:41:00	create database library	1 row(s) affected	0.031 sec
2	22:41:07	use library	0 row(s) affected	0.032 sec
3	22:45:27	create table Branch (Branch_no int primary key, Manager_Id varchar(10), Branch_address varchar(100), C... 0 row(s) affected	0 row(s) affected	0.125 sec
4	22:45:34	create table Employee (Emp_Id int primary key, Emp_name varchar(20), Position varchar(20), Salary decimal(10, 2) 0 row(s) affected	0 row(s) affected	0.078 sec

No object selected

Object Info Session

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: mysql.project* SQL File 3*

Schemas: library

```

73 -- Create the Books table
74 * create table Books (
75     ISBN varchar(20) primary key,
76     Book_title varchar(50),
77     Category varchar(50),
78     Rental_Price decimal(10, 2),
79     Status enum('yes', 'no'),
80     Author varchar(25),
81     Publisher varchar(25)
82 );
83
84 -- Create the Customer table
85 * create table Customer (
86     Customer_Id int primary key,
87     Customer_name varchar(25),
88     Customer_address varchar(100),
89     Reg_date date
90 );

```

Action Output:

#	Time	Action	Message	Duration / Fetch
3	22:45:27	create table Branch (Branch_no int primary key, Manager_id varchar(10), Branch_address varchar(100), ...)	0 row(s) affected	0.125 sec
4	22:45:34	create table Employee (Emp_id int primary key, Emp_name varchar(20), Position varchar(20), Salary decimal(10, 2), ...)	0 row(s) affected	0.078 sec
5	22:45:54	create table Books (ISBN varchar(20) primary key, Book_title varchar(50), Category varchar(50), Rental_Price decimal(10, 2), Status enum('yes', 'no'), Author varchar(25), Publisher varchar(25))	0 row(s) affected	0.094 sec
6	22:45:59	create table Customer (Customer_Id int primary key, Customer_name varchar(25), Customer_address varchar(100), Reg_date date)	0 row(s) affected	0.062 sec

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: mysql.project* SQL File 3*

Schemas: library

```

92 -- Create the IssueStatus table
93 * create table IssueStatus (
94     Issue_Id int primary key,
95     Issued_cust int,
96     Issued_book_name varchar(100),
97     Issue_date date,
98     Isbn_book varchar(20),
99     foreign key (Issued_cust) references Customer(Customer_Id),
100    foreign key (Isbn_book) references Books(ISBN)
101 );
102
103 -- Create the ReturnStatus table
104 * create table ReturnStatus (
105     Return_Id int primary key,
106     Return_cust int,
107     Return_book_name varchar(100),
108     Return_date date,
109     Isbn_book2 varchar(20),
110     foreign key (Return_cust) references Customer(Customer_Id),
111    foreign key (Isbn_book2) references Books(ISBN)
112 );

```

Action Output:

#	Time	Action	Message	Duration / Fetch
7	22:46:31	create table IssueStatus (Issue_Id int not null, Issued_cust int, Issued_book_name varchar(100), Is...)	0 row(s) affected	0.110 sec

MySQL Workbench

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File Edit View Query Database Server Tools Scripting Help

Navigator: mysql project* SQL File 3*

Limit to 1000 rows

SCHEMAS

- library
 - Tables
 - Views
 - Stored Procedures
 - Functions
- managersinfo
- organization
- personalinfo
 - Tables
 - Views
 - Stored Procedures
 - Functions
- product
- sales
- school
- schoolinfo

Administration Schemas

No object selected

Information:

```

113
114 -- Insert values into Branch table
115 • insert into Branch (Branch_no,Manager_Id,Branch_address,Contact_no) values
116 ('001','CS01','computer science 01 ground floor','123-456-7890'),
117 ('101','EC02','electronics & communication 101 first floor','987-654-3210'),
118 ('201','EE03','Electrical and electronic 201 second floor','555-555-5555'),
119 ('301','CV04','Civil 301 third floor','666-666-6666'),
120 ('401','ME05','Mechanical 401 fourth floor','777-777-7777'),
121 ('501','BCA06','BCA 501 fifth floor','888-888-8888'),
122 ('601','BBA07','BBA 601 sixth floor','999-999-9999'),
123 ('701','BHM08','BHM 701 seventh floor','111-111-1111'),
124 ('801','NS09','BSc Nursing 801 eighth floor','222-222-2222'),
125 ('901','FD10','Fashion Design 901 ninth floor','333-333-3333');

```

Action Output:

#	Time	Action	Message	Duration / Fetch
1	22:41:00	create database library	1 row(s) affected	0.031 sec
2	22:41:07	use library	0 row(s) affected	0.032 sec
3	22:45:27	create table Branch (Branch_no int primary key, Manager_Id varchar(10), Branch_address varchar(100), Contact_no varchar(15))	0 row(s) affected	0.125 sec
4	22:45:34	create table Employee (Emp_Id int primary key, Emp_name varchar(20), Position varchar(20), Salary decimal(10,2), Branch_no int, Manager_Id int)	0 row(s) affected	0.078 sec
5	22:45:54	create table Books (ISBN varchar(20) primary key, Book_title varchar(50), Category varchar(50), Rental_Period date, Branch_no int)	0 row(s) affected	0.094 sec
6	22:45:59	create table Customer (Customer_Id int primary key, Customer_name varchar(25), Customer_address varchar(100), Branch_no int)	0 row(s) affected	0.062 sec
7	22:46:31	create table IssueStatus (Issue_Id int primary key, Issued_cust int, Issued_book_name varchar(100), Return_date date, Branch_no int)	0 row(s) affected	0.110 sec
8	22:46:34	create table ReturnStatus (Return_Id int primary key, Return_cust int, Return_book_name varchar(100), Return_date date, Branch_no int)	0 row(s) affected	0.172 sec
9	22:47:28	insert into Branch (Branch_no,Manager_Id,Branch_address,Contact_no) values ('001','CS01','computer science 01 ground floor','123-456-7890')	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.016 sec

Object Info Session

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Navigator: mysql project* SQL File 3*

Limit to 1000 rows

SCHEMAS

- library
 - Tables
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 - Stored Procedures
 - Functions
- managersinfo
- organization
- personalinfo
 - Tables
 - Views
 - Stored Procedures
 - Functions
- product
- sales
- school
- schoolinfo

Administration Schemas

No object selected

Information:

```

126
127 -- Insert values into Employee table
128 • insert into Employee (Emp_Id,Emp_name,Position,Salary,Branch_no) values
129 ('001','Amit','Library Manager',75000.00, '001'),
130 ('012','Varun','Library Manager',72000.00, '501'),
131 ('013','Riya','Senior Librarian',65000.00, '001'),
132 ('014','Maya','Senior Librarian',63000.00, '401'),
133 ('015','Kiran','Senior Librarian',62000.00, '701'),
134 ('016','Siddharth','Senior Librarian',62000.00, '901'),
135 ('017','Aarav','Librarian',56000.00, '001),
136 ('018','Aryan','Librarian',56000.00, '101),
137 ('019','Akshay','Librarian',55000.00, '201),
138 ('020','Meera','Librarian',53000.00, '301),
139 ('021','Diya','Librarian',53000.00, '401),
140 ('022','Arjun','Librarian',52000.00, '501),
141 ('023','Kavya','Librarian',52000.00, '601),
142 ('024','Suresh','Librarian',50000.00, '701),
143 ('025','Neha','Librarian',50000.00, '801),
144 ('026','Rahul','Librarian',50000.00, '901),
145 ('027','Priya','Library Clerk',48000.00, '001),
146 ('028','Aditya','Library Clerk',48000.00, '101),
147 ('029','Priya','Library Clerk',42000.00, '201),
148 ('030','Aditya','Library Clerk',41000.00, '301),

```

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Navigator: mysql project* SQL File 3*

Limit to 1000 rows

Output: Action Output Duration / Fetch

```

148     (030,'Aditya','Library Clerk',41000.00,801),
149     (031,'Rajesh','Library Assistant',39000.00,001),
150     (032,'Deepa','Library Assistant',37000.00, 301),
151     (033,'Suman','Library Assistant',37000.00,401),
152     (034,'Arya','Library Assistant',35000.00,801),
153     (035,'Anusha','Cashier',32000.00,001),
154     (036,'Vishal','Cashier',32000.00,201),
155     (037,'Shreya','Cashier',30000.00,701),
156     (038,'Devika','Library Technician',28000.00, 01);
157

```

No object selected

Object Info Session

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: mysql project* SQL File 3*

Limit to 1000 rows

Output: Action Output Duration

```

157
158
159 -- Insert values into Books table
160 • insert into Books (ISBN, Book_title, Category, Rental_Price, Status, Author, Publisher) values
161
162 -- Computer Science
163 ('9780262032933', 'Artificial Intelligence: A Modern Approach', 'Computer Science', 425.00,'Yes', 'Stuart Russell, Peter Norvig', 'Pearson')
164 ('9780262033848', 'Introduction to Algorithms', 'Computer Science', 320.00,'Yes', 'Thomas H. Cormen, Charles E. Leiserson, Ronald L. Rivest')
165
166 -- Electronics & Communication
167 ('9780132543031', 'Communication Systems Engineering', 'Electronics and Communication', 522.00, 'Yes', 'John G. Proakis, Masoud Salehi', 'McGraw-Hill')
168 ('9789339221003', 'Electronic Communication Systems', 'Electronics and Communication', 318.00, 'Yes', 'George Kennedy, Bernard Davis', 'McGraw-Hill')
169
170 -- Electrical and Electronic
171 ('9781119235382', 'Electric Circuits', 'Electrical and Electronic Engineering', 415.00, 'Yes', 'James W. Nilsson, Susan A. Riedel', 'Wiley')
172 ('9780133760033', 'Microelectronic Circuits', 'Electrical and Electronic Engineering', 318.00, 'Yes', 'Adel S. Sedra, Kenneth C. Smith', 'Oxford University Press')
173 ('9780415152913', 'A History of Engineering in Classical and Medieval Times', 'Electrical and Electronic Engineering', 420.00, 'Yes', 'David M. Hart, Michael S. Sparer', 'Routledge')
174
175 -- Civil
176 ('9780136088394', 'Engineering Mechanics: Statics', 'Civil Engineering', 520.00, 'Yes', 'J.L. Meriam, L.G. Kraige', 'Pearson')
177 ('9780470917764', 'Principles of Geotechnical Engineering', 'Civil Engineering', 625.00, 'Yes', 'Braja M. Das, Khaled Sobhan', 'Cengage Learning')
178 ('9780784409880', 'A History of Civil Engineering', 'Civil Engineering', 422.00, 'Yes', 'Peter R. Smith', 'ASCE Press')

```

No object selected

Object Info Session

MySQL Workbench

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File Edit View Query Database Server Tools Scripting Help

Navigator: mysql project* SQL File 3*

Limit to 1000 rows

```

178 ('9780784409880', 'A History of Civil Engineering', 'Civil Engineering', 422.00, 'Yes', 'Peter R. Smith', 'ASCE Press'),
179 -- Mechanical
180 ('9780132280821', 'Fundamentals of Thermodynamics', 'Mechanical Engineering', 822.00, 'Yes', 'Richard E. Sonntag, Claus Borgnakke, Gordon J. Bergman', 'McGraw-Hill Education'),
181 ('978118007398', 'Introduction to Fluid Mechanics', 'Mechanical Engineering', 523.00, 'No', 'William S. Janna', 'Wiley'),
182 ('9780486255934', 'A History of Mechanical Inventions', 'Mechanical Engineering', 324.00, 'Yes', 'Abbott Payson Usher', 'Dover Publications'),
183
184 -- BCA
185 ('9780132121360', 'Database System Concepts', 'BCA', 417.00, 'Yes', 'Abraham Silberschatz, Henry F. Korth, S. Sudarshan', 'McGraw-Hill Education'),
186 ('9780134670942', 'Computer Networking: A Top-Down Approach', 'BCA', 319.00, 'No', 'James F. Kurose, Keith W. Ross', 'Pearson'),
187
188 -- BBA
189 ('9780470533024', 'Principles of Marketing', 'BBA', 616.00, 'No', 'Philip Kotler, Gary Armstrong', 'Pearson'),
190 ('9781292095048', 'Operations Management', 'BBA', 718.00, 'Yes', 'Nigel Slack, Alistair Brandon-Jones, Robert Johnston', 'Pearson'),
191
192 -- BHM
193 ('9788126519840', 'Hotel Management and Operations', 'BHM', 321.00, 'Yes', 'Denney G. Rutherford', 'Wiley'),
194 ('9780470399163', 'Hospitality Management Accounting', 'BHM', 424.00, 'Yes', 'Martin G. Jagels', 'Wiley'),
195
196 -- Nursing
197 ('9780323356224', 'Medical-Surgical Nursing: Assessment and Management of Clinical Problems', 'Nursing', 628.00, 'Yes', 'Sharon L. Lewis, Linda Lane Lilley, Shelly Rainforth Collins, Julie S. Johnson', 'Elsevier'),
198 ('9780323390228', 'Pharmacology and the Nursing Process', 'Nursing', 530.00, 'Yes', 'Linda Lane Lilley, Shelly Rainforth Collins, Julie S. Johnson', 'Elsevier'),
199
200

```

No object selected

Information: No object selected

Output:

MySQL Workbench

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File Edit View Query Database Server Tools Scripting Help

Navigator: mysql project* SQL File 3*

Limit to 1000 rows

```

200
201 -- Fashion Design
202 ('9781501315388', 'Fashion Sketchbook', 'Fashion Design', 325.00, 'Yes', 'Bina Abing', 'Fairchild Books'),
203 ('9781501317979', 'Draping for Apparel Design', 'Fashion Design', 427.00, 'Yes', 'Helen Joseph-Armstrong', 'Fairchild Books'),
204
205
206
207
208
209
210
211
212
213
214
215

```

No object selected

Information: No object selected

Action Output:

#	Time	Action	Message	Duration / Fetch
28	23.04.09	drop table books	0 row(s) affected	0.105 sec
29	23.04.27	create table Books (ISBN varchar(20) primary key, Book_title varchar(250), Category varchar(150), Rental_Price decimal(10,2), Author varchar(250), Publisher varchar(250))	0 row(s) affected	0.141 sec
30	23.04.33	create table Customer (Customer_Id int primary key, Customer_name varchar(25), Customer_address varchar(250), Customer_email varchar(100), Customer_phone varchar(15))	0 row(s) affected	0.125 sec
31	23.04.40	create table Issue_Status (Issue_Id int primary key, Issued_cust int, Issued_book_name varchar(100), Issued_date date, Issued_time time)	0 row(s) affected	0.265 sec
32	23.04.46	create table Return_Status (Return_Id int primary key, Return_cust int, Return_book_name varchar(100), Return_date date, Return_time time)	0 row(s) affected	0.076 sec
33	23.05.51	insert into Books (ISBN, Book_title, Category, Rental_Price, Status, Author, Publisher) values ('9780132121360', 'Database System Concepts', 'BCA', 417.00, 'Yes', 'Abraham Silberschatz, Henry F. Korth, S. Sudarshan', 'McGraw-Hill Education')	23 row(s) affected Records: 23 Duplicates: 0 Warnings: 0	0.015 sec

Object Info Session

The screenshot shows the MySQL Workbench interface with a query editor containing a large block of SQL code. The code consists of approximately 300 INSERT statements into a 'Customer' table, each with a unique ID and specific details like name and address. The interface includes a left sidebar for navigation and administration, and a top menu bar.

```
-- Insert values into Customer table
insert into Customer (Customer_Id, Customer_name, Customer_address, Reg_date) values
(301, 'Mohammed', 'Kochi 123', '2020-01-05'),
(302, 'Fatima', 'Trivandrum 456', '2020-04-10'),
(303, 'Ali', 'Kozhikode 789', '2020-05-15'),
(304, 'Surya', 'Kozhikode 321', '2020-08-20'),
(305, 'Lakshmi', 'Kottayam 789', '2020-10-25'),
(306, 'Ganesh', 'Alappuzha 456', '2020-12-30'),
(307, 'Anjali', 'Trissure 124', '2021-01-05'),
(308, 'Joseph', 'Palakkad 456', '2021-05-10'),
(309, 'Maria', 'Kollam 789', '2021-09-15'),
(310, 'George', 'Malappuram 324', '2021-10-20'),
(311, 'Anu', 'Idukki 789', '2021-12-26'),
(312, 'Mathew', 'Wayanad 459', '2021-12-30'),
(313, 'Teresa', 'Pathanamthitta 659', '2022-01-05'),
(314, 'Antony', 'Idukki 987', '2022-02-10'),
(315, 'Rosy', 'Palakkad 234', '2022-03-15'),
(316, 'Parvati', 'Ernakulam 654', '2022-04-05'),
(317, 'Karthik', 'Kannur 987', '2022-08-10'),
(318, 'Radha', 'Kasargod 123', '2022-11-05'),
(319, 'Vishnu', 'Wayanad 456', '2023-01-10'),
(320, 'Saraswati', 'Kozhikode 789', '2023-03-15'),
```

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: mysql.project SQL File 3*

Limit to 1000 rows

SCHEMAS

Filter objects

library

- Tables
- Views
- Stored Procedures
- Functions

managersinfo

organization

personalinfo

- Tables
- Views
- Stored Procedures
- Functions
- product
- sales
- school
- schoolinfo

Administration Schemas

Information

No object selected

228 (320, 'Saraswati', 'Kozhikode 789', '2023-03-15'),
229 (321, 'Shiva', 'Idukki 128', '2023-04-28'),
230 (322, 'Parvati', 'Kannur 789', '2023-06-25'),
231 (323, 'Ahmed', 'Wayanad 451', '2023-06-30'),
232 (324, 'Aisha', 'Kollam 654', '2023-07-05'),
233 (325, 'Yusuf', 'Alappuzha 987', '2023-08-10'),
234 (326, 'Mary', 'Trivandrum 299', '2023-09-15');
235
236
237
238
239
240
241
242

Action Output

#	Time	Action	Message	Duration / Fetch
27	23:03:55	drop table customer	0 row(s) affected	0.094 sec
28	23:04:09	drop table books	0 row(s) affected	0.109 sec
29	23:04:27	create table Books (ISBN varchar(20) primary key, Book_title varchar(250), Category varchar(150), Rent...)	0 row(s) affected	0.141 sec
30	23:04:33	create table Customer (Customer_Id int primary key, Customer_name varchar(25), Customer_address varchar(100), ...)	0 row(s) affected	0.125 sec
31	23:04:40	create table Issue_Status (Issue_Id int primary key, Issued_cust_id int, Issued_book_name varchar(100), Is...)	0 row(s) affected	0.265 sec
32	23:04:46	create table Return_Status (Return_Id int primary key, Return_cust_id int, Return_book_name varchar(100), ...)	0 row(s) affected	0.078 sec
33	23:05:51	insert into Books (ISBN, Book_title, Category, Rental_Price, Status, Author, Publisher) values ('Computer Science ...')	23 Duplicates: 0 Warnings: 0	0.015 sec
34	23:06:22	insert into Customer (Customer_Id, Customer_name, Customer_address, Reg_date) values ('301, 'Mohammed', 'Koc...')	26 (row(s) affected) Records: 26 Duplicates: 0 Warnings: 0	0.063 sec

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Navigator: mysql project* SQL File 3*

SCHEMAS: library, managersinfo, organization, personalinfo, product, sales, school, schoolinfo

Administration Schemas Information: No object selected

```

236 -- Insert values into IssueStatus table
237 • insert into IssueStatus (Issue_Id, Issued_cust, Issued_book_name, Issue_date, Isbn_book) values
238 (401, 309, 'Communication Systems Engineering', '2023-01-10', '9780132543031'),
239 (402, 302, 'Electronic Communication Systems', '2023-02-05', '9789339221003'),
240 (403, 314, 'Electric Circuits', '2023-06-15', '978119235382'),
241 (404, 316, 'Introduction to Algorithms', '2023-08-10', '9780262032933'),
242 (405, 305, 'Artificial Intelligence: A Modern Approach', '2023-09-15', '9780262033848'),
243 (406, 320, 'Engineering Mechanics: Statics', '2023-10-20', '9780136088394'),
244 (407, 326, 'Principles of Geotechnical Engineering', '2023-11-25', '9780470917764'),
245 (408, 311, 'Fundamentals of Thermodynamics', '2023-12-30', '9780132280821');
246 ;
247 -- Insert values into ReturnStatus table
248 • insert into ReturnStatus (Return_Id, Return_cust, Return_book_name, Return_date, Isbn_book2) values
249 (501, 309, 'Communication Systems Engineering', '2023-02-20', '9780132543031'),
250 (502, 302, 'Electronic Communication Systems', '2023-03-10', '9789339221003'),
251 (503, 314, 'Electric Circuits', '2023-07-01', '978119235382'),
252 (504, 316, 'Introduction to Algorithms', '2023-09-05', '9780262032933'),
253 (505, 305, 'Artificial Intelligence: A Modern Approach', '2023-10-10', '9780262033848'),
254 (506, 320, 'Engineering Mechanics: Statics', '2023-11-15', '9780136088394'),
255 (507, 326, 'Principles of Geotechnical Engineering', '2023-12-20', '9780470917764'),
256 (508, 311, 'Fundamentals of Thermodynamics', '2024-01-25', '9780132280821').

```

Action Output: 35 23.10.29 insert into IssueStatus (Issue_Id, Issued_cust, Issued_book_name, Issue_date, Isbn_book) values (401, 309, 'Com... 8 row(s) affected Records: 8 Duplicates: 0 Warnings: 0 Duration / Fetch 0.016 sec

Object Info Session

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File Edit View Query Database Server Tools Scripting Help

Navigator: mysql project* SQL File 3*

SCHEMAS: library, managersinfo, organization, personalinfo, product, sales, school, schoolinfo

Administration Schemas Information: No object selected

```

261 -- Display all the tables and Write the queries for the following :
262
263 #To show Books table
264
265 • select * from Branch;
266

```

Result Grid | Filter Rows | Edit | Export/Import | Wrap Cell Content | Result Grid | Form Editor | Field Types | Query Stats | Execution Plan

Branch_no	Manager_Id	Branch_address	Contact_no
1	C501	computer science 01 ground floor	123-456-7890
101	E002	electronics & communication 101 first floor	987-654-3210
201	E003	Electrical and electronic 201 second floor	555-555-5555
301	CV04	Civil 301 third floor	666-666-6666
401	ME05	Mechanical 401 fourth floor	777-777-7777
501	BCA06	BCA 501 fifth floor	888-888-8888
601	BBA07	BBA 601 sixth floor	999-999-9999
701	BHM08	BHM 701 seventh floor	111-111-1111
801	NS09	BSc Nursing 801 eighth floor	222-222-2222
901	FD10	Fashion Design 901 ninth floor	333-333-3333

Branch 2 x

Output:

Action Output: 37 23.16.39 select * from books LIMIT 0, 1000 23 row(s) returned Duration / Fetch 0.000 sec / 0.000 sec

Object Info Session

Action Output: 38 23.18.09 select * from Branch LIMIT 0, 1000 10 row(s) returned Duration / Fetch 0.016 sec / 0.000 sec

MySQL Workbench Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: mysql project* SQL File 3*

Limit to 1000 rows

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

Employee 3 x

No object selected

Output:

Action Output

#	Time	Action	Message	Duration / Fetch
38	23:18:09	select * from Branch LIMIT 0, 1000	10 row(s) returned	0.016 sec / 0.000 sec
39	23:19:14	select * from Employee LIMIT 0, 1000	28 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: mysql.project* SQL File 3*

Limit to 1000 rows

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

Employee 3 x

No object selected

Output:

Action Output

#	Time	Action	Message	Duration / Fetch
38	23:18:09	select * from Branch LIMIT 0, 1000	10 row(s) returned	0.016 sec / 0.000 sec
39	23:19:14	select * from Employee LIMIT 0, 1000	28 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: mysql project* SQL File 3*

Limit to 1000 rows

Result Grid | Filter Rows: [] | Edit | Export/Import: [] | Wrap Cell Content: []

ISBN Book_title Category Rental_Price Status Author Publisher

270
271 #To show Books table
272
273 • select * from Books;
274
275

ISBN	Book_title	Category	Rental_Price	Status	Author	Publisher
9780132121360	Database System Concepts	BCA	417.00	yes	Abraham Silberschatz, Henry F. Korth, S. Sudar...	McGraw-Hill Education
9780132808821	Fundamentals of Thermodynamics	Mechanical Engineering	822.00	yes	Richard E. Sonntag, Claus Borgnakke, Gordon J...	Wiley
9780132543031	Communication Systems Engineering	Electronics and Communication	522.00	yes	John G. Proakis, Masoud Salehi	Pearson
9780133760033	Microelectronic Circuits	Electrical and Electronic Engineering	318.00	yes	Adel S. Sedra, Kenneth C. Smith	Oxford University Press
9780134670942	Computer Networks: A Top-Down Approach	BCA	319.00	no	James F. Kurose, Keith W. Ross	Pearson
9780263029332	Artificial Intelligence: A Modern Approach	Civil Engineering	825.00	yes	Stuart Russell, Peter Norvig	Pearson
9780263038486	Introduction to Algorithms	Computer Science	320.00	yes	Thomas H. Cormen, Charles E. Leiserson, Ronald...	The MIT Press
9780323356224	Medical-Surgical Nursing: Assessment and Mana...	Nursing	628.00	yes	Sharon L. Lewis, Shannon Ruff Drisko, Margaret...	Mosby
9780323359028	Pharmacology and the Nursing Process	Nursing	530.00	yes	Linda Lane Lilley, Shelly Rainforth Collins, Julie S...	Mosby
9780415152913	A History of Engineering in Classical and Medieval...	Electrical and Electronic Engineering	420.00	yes	Donald Hill	Routledge
9780470399163	Hospitality Management Accounting	BHM	424.00	yes	Martin G. Jagels	Wiley
9780470533024	Principles of Marketing	BBA	616.00	no	Philip Kotler, Gary Armstrong	Pearson
9780470917764	Principles of Geotechnical Engineering	Civil Engineering	625.00	yes	Brajendra Das, Khaled Sobhan	Cengage Learning
9780486255934	A History of Mechanical Inventions	Mechanical Engineering	324.00	yes	Abbott Payson Usher	Dover Publications
9780784409880	A History of Civil Engineering	Civil Engineering	422.00	yes	Peter R. Smith	ASCE Press
9781118007398	Introduction to Fluid Mechanics	Mechanical Engineering	523.00	no	William S. Janna	Wiley
9781119235382	Electric Circuits	Electrical and Electronic Engineering	415.00	yes	James W. Nilsson, Susan A. Riedel	Wiley
9781138000000	Operations Management	BCA	710.00	yes	Muel Kapur, Alastair Brandon-Jones, Robert John...	Wiley

Books 4 x

Action Output

- Time Action Message Duration / Fetch
- 39 23:19:14 select * from Employee LIMIT 0, 1000 28 row(s) returned 0.000 sec / 0.000 sec
- 40 23:20:50 select * from Books LIMIT 0, 1000 23 row(s) returned 0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: mysql project* SQL File 3*

Limit to 1000 rows

Result Grid | Filter Rows: [] | Edit | Export/Import: [] | Wrap Cell Content: []

ISBN Book_title Category Rental_Price Status Author Publisher

270
271 #To show Books table
272
273 • select * from Books;
274
275

ISBN	Book_title	Category	Rental_Price	Status	Author	Publisher
9780263029332	Artificial Intelligence: A Modern Approach	Computer Science	425.00	yes	Stuart Russell, Peter Norvig	Pearson
9780263038486	Introduction to Algorithms	Computer Science	320.00	yes	Thomas H. Cormen, Charles E. Leiserson, Ronald...	The MIT Press
9780323356224	Medical-Surgical Nursing: Assessment and Mana...	Nursing	628.00	yes	Sharon L. Lewis, Shannon Ruff Drisko, Margaret...	Mosby
9780323359028	Pharmacology and the Nursing Process	Nursing	530.00	yes	Linda Lane Lilley, Shelly Rainforth Collins, Julie S...	Mosby
9780415152913	A History of Engineering in Classical and Medieval...	Electrical and Electronic Engineering	420.00	yes	Donald Hill	Routledge
9780470399163	Hospitality Management Accounting	BHM	424.00	yes	Martin G. Jagels	Wiley
9780470533024	Principles of Marketing	BBA	616.00	no	Philip Kotler, Gary Armstrong	Pearson
9780470917764	Principles of Geotechnical Engineering	Civil Engineering	625.00	yes	Brajendra Das, Khaled Sobhan	Cengage Learning
9780486255934	A History of Mechanical Inventions	Mechanical Engineering	324.00	yes	Abbott Payson Usher	Dover Publications
9780784409880	A History of Civil Engineering	Civil Engineering	422.00	yes	Peter R. Smith	ASCE Press
9781118007398	Introduction to Fluid Mechanics	Mechanical Engineering	523.00	no	William S. Janna	Wiley
9781119235382	Electric Circuits	Electrical and Electronic Engineering	415.00	yes	Nigel Slack, Alastair Brandon-Jones, Robert John...	Pearson
978129059048	Operations Management	BBA	718.00	yes	Bina Abing	Fairchild Books
9781501315388	Fashion Sketchbook	Fashion Design	325.00	yes	Helen Joseph-Armstrong	Fairchild Books
9781501317979	Draping for Apparel Design	Fashion Design	427.00	yes	Denney G. Rutherford	Fairchild Books
9788126519840	Hotel Management and Operations	BHM	321.00	yes	George Kennedy, Bernard Davis	McGraw-Hill Education
9789339221003	Electronic Communication Systems	Electronics and Communication	318.00	yes	MULL	MULL
MULL	MULL	MULL	MULL	MULL	MULL	MULL

Books 4 x

Action Output

- Time Action Message Duration / Fetch
- 39 23:19:14 select * from Employee LIMIT 0, 1000 28 row(s) returned 0.000 sec / 0.000 sec
- 40 23:20:50 select * from Books LIMIT 0, 1000 23 row(s) returned 0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: mysql project* SQL File 3*

Limit to 1000 rows

SCHEMAS

- library
 - Tables
 - Views
 - Stored Procedures
 - Functions
- managersinfo
- organization
- personalinfo
 - Tables
 - Views
 - Stored Procedures
 - Functions
- product
- sales
- school
- schoolinfo

Administration Schemas

No object selected

Customer 5 X

Result Grid | Filter Rows: Edit: Export/Import: Wrap Cell Content: Result Grid Form Editor Field Types Query Stats Execution Plan

Customer_Id	Customer_name	Customer_address	Reg_date
301	Mohammed	Kochi 123	2020-01-05
302	Fatima	Trivandrum 456	2020-04-10
303	Ali	Kozhikode 789	2020-05-15
304	Surya	Kozhikode 321	2020-06-20
305	Lakshmi	Kottayam 567	2020-10-25
306	Ajith	Alappuzha 456	2020-12-20
307	Anjali	Treasure 124	2021-01-05
308	Joseph	Palakkad 456	2021-05-10
309	Maria	Kollam 789	2021-09-15
310	George	Malappuram 324	2021-10-20
311	Ann	Idukki 789	2021-12-05
312	Mathew	Wayanad 459	2021-12-30
313	Teresa	Pathanamthitta 659	2022-01-05
314	Antony	Idukki 987	2022-02-10
315	Rosy	Palakkad 234	2022-03-15
316	Parvati	Ernakulam 654	2022-04-05
317	Karthik	Kannur 987	2022-08-10
318	Radha	Kasargod 123	2022-11-05
319	Vishnu	Wayanad 456	2023-01-05
320	Shivashakti	Kozhikode 789	2023-03-15
321	Shiva	Idukki 123	2023-04-20
322	Parvati	Kannur 789	2023-06-25
323	Ahmed	Wayanad 451	2023-06-30
324	Aisha	Kollam 654	2023-07-05
325	Yusuf	Alappuzha 987	2023-08-10
326	Mary	Trivandrum 299	2023-09-15
327	Muthu	Muthu 123	2023-10-20

Output

Action Output

#	Time	Action	Message	Duration / Fetch
40	23:20:50	select * from Books LIMIT 0, 1000	23 row(s) returned	0.000 sec / 0.000 sec
41	23:22:03	select * from Customer LIMIT 0, 1000	26 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: mysql project* SQL File 3*

Limit to 1000 rows

SCHEMAS

- library
 - Tables
 - Views
 - Stored Procedures
 - Functions
- managersinfo
- organization
- personalinfo
 - Tables
 - Views
 - Stored Procedures
 - Functions
- product
- sales
- school
- schoolinfo

Administration Schemas

No object selected

Customer 5 X

Result Grid | Filter Rows: Edit: Export/Import: Wrap Cell Content: Result Grid Form Editor Field Types Query Stats Execution Plan

Customer_Id	Customer_name	Customer_address	Reg_date
310	George	Malappuram 324	2021-10-20
311	Ann	Idukki 789	2021-12-26
312	Mathew	Wayanad 459	2021-12-30
313	Teresa	Pathanamthitta 659	2022-01-05
314	Antony	Idukki 987	2022-02-10
315	Rosy	Palakkad 234	2022-03-15
316	Parvati	Ernakulam 654	2022-04-05
317	Karthik	Kannur 987	2022-08-10
318	Radha	Kasargod 123	2022-11-05
319	Vishnu	Wayanad 456	2023-01-05
320	Shivashakti	Kozhikode 789	2023-03-15
321	Shiva	Idukki 123	2023-04-20
322	Parvati	Kannur 789	2023-06-25
323	Ahmed	Wayanad 451	2023-06-30
324	Aisha	Kollam 654	2023-07-05
325	Yusuf	Alappuzha 987	2023-08-10
326	Mary	Trivandrum 299	2023-09-15
327	Muthu	Muthu 123	2023-10-20

Output

Action Output

#	Time	Action	Message	Duration / Fetch
40	23:20:50	select * from Books LIMIT 0, 1000	23 row(s) returned	0.000 sec / 0.000 sec
41	23:22:03	select * from Customer LIMIT 0, 1000	26 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: mysql project* SQL File 3*

SCHEMAS: library

274
275 #To show IssueStatus table
276
277 • select * from IssueStatus;

Issue_Id	Issued_cust	Issued_book_name	Issue_date	isbn_book
401	309	Communication Systems Engineering	2023-01-10	9780132543931
402	302	Electronic Communication Systems	2023-02-05	9789339220003
403	314	Electric Circuits	2023-06-15	978119235382
404	316	Introduction to Algorithms	2023-08-10	978026032933
405	305	Artificial Intelligence: A Modern Approach	2023-09-15	9780260233848
406	320	Engineering Mechanics: Statics	2023-10-20	9780136088394
407	326	Principles of Geotechnical Engineering	2023-11-25	9780470917764
408	311	Fundamentals of Thermodynamics	2023-12-20	9780132280821
409	303	None	None	None

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

IssueStatus 6 x

No object selected

Output:

Action Output	Time	Action	Message	Duration / Fetch
35	23:10:29	insert into IssueStatus (Issue_Id, Issued_cust, Issued_book_name, Issue_date, isbn_book) values (401, 309, 'Communication Systems Engineering', '2023-01-10', '9780132543931')	8 row(s) affected Records: 8 Duplicates: 0 Warnings: 0	0.016 sec
36	23:10:34	insert into ReturnStatus (Return_Id, Return_cust, Return_book_name, Return_date, isbn_book2) values (501, 309, 'Communication Systems Engineering', '2023-02-10', '9780132543931')	8 row(s) affected Records: 8 Duplicates: 0 Warnings: 0	0.031 sec
37	23:16:39	select * from books LIMIT 0, 1000	23 row(s) returned	0.000 sec / 0.000 sec
38	23:18:09	select * from Branch LIMIT 0, 1000	10 row(s) returned	0.016 sec / 0.000 sec
39	23:19:14	select * from Employee LIMIT 0, 1000	28 row(s) returned	0.000 sec / 0.000 sec
40	23:20:50	select * from Books LIMIT 0, 1000	23 row(s) returned	0.000 sec / 0.000 sec
41	23:22:03	select * from Customer LIMIT 0, 1000	26 row(s) returned	0.000 sec / 0.000 sec
42	23:23:02	select * from IssueStatus LIMIT 0, 1000	8 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: mysql project* SQL File 3*

SCHEMAS: library

278
279 #To show ReturnStatus table
280
281 • select * from ReturnStatus;

Return_Id	Return_cust	Return_book_name	Return_date	isbn_book2
501	309	Communication Systems Engineering	2023-02-20	9780132543031
502	302	Electronic Communication Systems	2023-03-10	9789339221003
503	314	Electric Circuits	2023-07-01	978119235382
504	316	Introduction to Algorithms	2023-09-05	9780260202933
505	305	Artificial Intelligence: A Modern Approach	2023-10-10	9780260233848
506	320	Engineering Mechanics: Statics	2023-11-15	9780136088394
507	326	Principles of Geotechnical Engineering	2023-12-20	9780470917764
508	311	Fundamentals of Thermodynamics	2024-01-25	9780132280821
509	303	None	None	None

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

ReturnStatus 7 x

No object selected

Output:

Action Output	Time	Action	Message	Duration / Fetch
36	23:10:34	insert into ReturnStatus (Return_Id, Return_cust, Return_book_name, Return_date, isbn_book2) values (501, 309, 'Communication Systems Engineering', '2023-02-10', '9780132543931')	8 row(s) affected Records: 8 Duplicates: 0 Warnings: 0	0.031 sec
37	23:16:39	select * from books LIMIT 0, 1000	23 row(s) returned	0.000 sec / 0.000 sec
38	23:18:09	select * from Branch LIMIT 0, 1000	10 row(s) returned	0.016 sec / 0.000 sec
39	23:19:14	select * from Employee LIMIT 0, 1000	28 row(s) returned	0.000 sec / 0.000 sec
40	23:20:50	select * from Books LIMIT 0, 1000	23 row(s) returned	0.000 sec / 0.000 sec
41	23:22:03	select * from Customer LIMIT 0, 1000	26 row(s) returned	0.000 sec / 0.000 sec
42	23:23:02	select * from IssueStatus LIMIT 0, 1000	8 row(s) returned	0.000 sec / 0.000 sec
43	23:23:59	select * from ReturnStatus LIMIT 0, 1000	8 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: mysql project* SQL File 3*

Limit to 1000 rows

SCHEMAS

- library
 - Tables
 - Views
 - Stored Procedures
 - Functions
- managersinfo
- organization
- personalinfo
 - Tables
 - Views
 - Stored Procedures
 - Functions
- product
- sales
- school
- schoolinfo

No object selected

Information

Object Info Session

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: mysql.project* SQL File 3*

Limit to 1000 rows

SCHEMAS

- library
 - Tables
 - Views
 - Stored Procedures
 - Functions
- managersinfo
- organization
- personalinfo
 - Tables
 - Views
 - Stored Procedures
 - Functions
- product
- sales
- school
- schoolinfo

No object selected

Information

Object Info Session

Result Grid

Filter Rows Export Wrap Cell Content

Book_title Category Rental_price

Database System Concepts	BCA	417.00
Fundamentals of Thermodynamics	Mechanical Engineering	822.00
Communication Systems Engineering	Electronics and Communication	522.00
Microelectronic Circuits	Electrical and Electronic Engineering	318.00
Engineering Mechanics: Statics	Civil Engineering	520.00
Artificial Intelligence: A Modern Approach	Computer Science	425.00
Introduction to Algorithms	Computer Science	320.00
Medical-Surgical Nursing: Assessment and Management of Clinical Problems	Nursing	628.00
Pharmacology and the Nursing Process	Nursing	530.00
A History of Engineering in Classical and Medieval Times	Electrical and Electronic Engineering	420.00
Hospitality Management Accounting	BHM	424.00
Principles of Geotechnical Engineering	Civil Engineering	625.00

Books 8 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
37	23:16:39	select * from books LIMIT 0, 1000	23 row(s) returned	0.000 sec / 0.000 sec
38	23:18:09	select * from Branch LIMIT 0, 1000	10 row(s) returned	0.016 sec / 0.000 sec
39	23:19:14	select * from Employee LIMIT 0, 1000	28 row(s) returned	0.000 sec / 0.000 sec
40	23:20:50	select * from Books LIMIT 0, 1000	23 row(s) returned	0.000 sec / 0.000 sec
41	23:22:03	select * from Customer LIMIT 0, 1000	26 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: mysql.project* SQL File 3*

Limit to 1000 rows

SCHEMAS

- library
 - Tables
 - Views
 - Stored Procedures
 - Functions
- managersinfo
- organization
- personalinfo
 - Tables
 - Views
 - Stored Procedures
 - Functions
- product
- sales
- school
- schoolinfo

No object selected

Information

Object Info Session

Result Grid

Filter Rows Export Wrap Cell Content

Book_title Category Rental_price

Pharmacology and the Nursing Process	Nursing	530.00
A History of Engineering in Classical and Medieval Times	Electrical and Electronic Engineering	420.00
Hospitality Management Accounting	BHM	424.00
Principles of Geotechnical Engineering	Civil Engineering	625.00
A History of Mechanical Inventions	Mechanical Engineering	324.00
A History of Civil Engineering	Civil Engineering	422.00
Electric Circuits	Electrical and Electronic Engineering	410.00
Operations Management	BHM	718.00
Fashion Sketchbook	Fashion Design	335.00
Draping for Apparel Design	Fashion Design	427.00
Hotel Management and Operations	BHM	321.00
Electronic Communication Systems	Electronics and Communication	318.00

Books 8 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
37	23:16:39	select * from books LIMIT 0, 1000	23 row(s) returned	0.000 sec / 0.000 sec
38	23:18:09	select * from Branch LIMIT 0, 1000	10 row(s) returned	0.016 sec / 0.000 sec
39	23:19:14	select * from Employee LIMIT 0, 1000	28 row(s) returned	0.000 sec / 0.000 sec
40	23:20:50	select * from Books LIMIT 0, 1000	23 row(s) returned	0.000 sec / 0.000 sec
41	23:22:03	select * from Customer LIMIT 0, 1000	26 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: mysql project* SQL File 3*

Limit to 1000 rows

290
291 -- 2. List the employee names and their respective salaries in descending order of salary.
292
293 • select Emp_name,Salary
294 from Employee
295 order by Salary desc;

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

Emp_name	Salary
Amit	75000.00
Varun	72000.00
Riya	65000.00
Maya	63000.00
Kiran	62000.00
Siddharth	62000.00
Aarav	56000.00
Aryan	56000.00
Akhay	55000.00
Meera	53000.00
Diya	53000.00
Arjun	52000.00
Kavya	52000.00
Suresh	50000.00
Neha	50000.00
Rahul	50000.00
Priya	48000.00

Employee 9 X Read Only

Information:

No object selected

Object Info Session

Action Output

#	Time	Action	Message	Duration / Fetch
41	23:22:03	select * from Customer LIMIT 0, 1000	26 row(s) returned	0.000 sec / 0.000 sec
42	23:23:02	select * from IssueStatus LIMIT 0, 1000	8 row(s) returned	0.000 sec / 0.000 sec
43	23:23:59	select * from ReturnStatus LIMIT 0, 1000	8 row(s) returned	0.000 sec / 0.000 sec

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: mysql project* SQL File 3*

Limit to 1000 rows

290
291 -- 2. List the employee names and their respective salaries in descending order of salary.
292
293 • select Emp_name,Salary
294 from Employee
295 order by Salary desc;

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

Emp_name	Salary
Kavya	52000.00
Suresh	50000.00
Neha	50000.00
Rahul	50000.00
Priya	48000.00
Aditya	48000.00
Priya	42000.00
Aditya	41000.00
Rajesh	39000.00
Deep	37000.00
Suman	37000.00
Arya	35000.00
Anusha	32000.00
Vishal	32000.00
Shreya	30000.00
Devika	28000.00

Employee 9 X Read Only

Information:

No object selected

Object Info Session

Action Output

#	Time	Action	Message	Duration / Fetch
41	23:22:03	select * from Customer LIMIT 0, 1000	26 row(s) returned	0.000 sec / 0.000 sec
42	23:23:02	select * from IssueStatus LIMIT 0, 1000	8 row(s) returned	0.000 sec / 0.000 sec
43	23:23:59	select * from ReturnStatus LIMIT 0, 1000	8 row(s) returned	0.000 sec / 0.000 sec

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: mysql project* SQL File 3*

Limit to 1000 rows

```

296
297 -- 3. Retrieve the book titles and the corresponding customers who have issued those books.
298
299 * select Book_title,Customer_name
300   from IssueStatus i
301   join Books b
302   on i.Issue_Status_ID=b.ISSUE_STATUS_ID
303   join Customer c
304   on i.Issued_cust=c.Customer_Id;
  
```

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

Book_title	Customer_name
Communication Systems Engineering	Maria
Electronic Communication Systems	Fatima
Electric Circuits	Antony
Artificial Intelligence: A Modern Approach	Pervati
Introduction to Algorithms	Lakshmi
Engineering Mechanics: Statics	Saraswati
Principles of Geotechnical Engineering	Mary
Fundamentals of Thermodynamics	Ann

No object selected

Information:

Object Info Session

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: mysql.project* SQL File 3*

Limit to 1000 rows

```

305
306 -- 4. Display the total count of books in each category.
307
308 * select Category,count(*) as Total_Book
309   from Books
310   group by Category;
  
```

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

Category	Total_Book
BCA	2
Mechanical Engineering	3
Electronics and Communication	2
Electrical and Electronic Engineering	3
Civil Engineering	3
Computer Science	2
Nursing	2
BHM	2
BBA	2
Fashion Design	2

No object selected

Information:

Object Info Session

Result 11 x

Action Output

#	Time	Action	Message	Duration / Fetch
48	23:36:40	select Book_title,Customer_name from IssueStatus i join Books b on i.Issue_Status_ID=b.ISSUE_STATUS_ID join Customer c on i.Issued_cust=c.Customer_Id;	8 row(s) returned	0.016 sec / 0.000 sec
49	23:37:43	select Book_title,Customer_name from IssueStatus i join Books b on i.Issue_Status_ID=b.ISSUE_STATUS_ID join Customer c on i.Issued_cust=c.Customer_Id;	8 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Result 12 x

Action Output

#	Time	Action	Message	Duration / Fetch
49	23:37:43	select Category,count(*) as Total_Book from Books group by Category;	8 row(s) returned	0.000 sec / 0.000 sec
50	23:39:39	select Category,count(*) as Total_Book from Books group by Category LIMIT 0, 1000	10 rows returned	0.015 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: mysql project* SQL File 3*

Limit to 1000 rows

SCHEMAS

- library
 - Tables
 - Views
 - Stored Procedures
 - Functions
- managersinfo
- organization
- personalinfo
 - Tables
 - Views
 - Stored Procedures
 - Functions
- product
- sales
- school
- schoolinfo

Administration Schemas Information

No object selected

Employee 14 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
51	23:39:13	select Emp_name,Position,Salary from Employee where Salary>50000.00 LIMIT 0, 1000	13 row(s) returned	0.047 sec / 0.000 sec
52	23:39:44	select Fname name,Position,Salary from Fnameinfo where Salary>50000.00 LIMIT 0, 1000	13 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: mysql project* SQL File 3*

Limit to 1000 rows

SCHEMAS

- library
 - Tables
 - Views
 - Stored Procedures
 - Functions
- managersinfo
- organization
- personalinfo
 - Tables
 - Views
 - Stored Procedures
 - Functions
- product
- sales
- school
- schoolinfo

Administration Schemas Information

No object selected

Customer 16 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
53	23:40:18	select Customer_name from Customer where Reg_date<'2022-01-01' and Customer_Id not in(select Issued_cust from IssueStatus);	8 row(s) returned	0.015 sec / 0.000 sec
54	23:40:58	select Customer_name Ren from Customer where Ren_date<'2022-01-01' and Customer_Id not in(select	8 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: mysql project* SQL File 3*

Limit to 1000 rows

SCHEMAS

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- school
- schoolinfo

No object selected

Administration Schemas Information

Result Grid Filter Rows Export Wrap Cell Content

```

324
325 -- 7. Display the branch numbers and the total count of employees in each branch.
326
327 • select Branch_no,count(*) as Total_Employee
328   from Employee
329   group by Branch_no;
  
```

Branch_no	Total_Employee
1	7
101	2
201	3
301	2
401	3
501	2
601	1
701	3
801	3
901	2

Result Grid Form Editor Field Types Query Stats Execution Plan

Result 17 x Read Only

Action Output

#	Time	Action	Message	Duration / Fetch
54	23:40:58	select Customer_name,Reg_date from Customer where Reg_date<'2022-01-01' and Customer_Id not in(select Customer_Id from Employee)	8 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: mysql.project* SQL File 3*

Limit to 1000 rows

SCHEMAS

- library
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- schoolinfo

No object selected

Administration Schemas Information

Result Grid Filter Rows Export Wrap Cell Content

```

331 -- 8. Display the names of customers who have issued books in the month of June 2023.
332
333 • select Customer_Id,Customer_name,Issue_date
334   from Customer c join IssueStatus i
335   on c.Customer_Id=i.Issued_cust
336   where Issue_date between '2023-06-01' and '2023-06-30';
337
  
```

Customer_Id	Customer_name	Issue_date
314	Antony	2023-06-15

Result Grid Form Editor Field Types Query Stats Execution Plan

Result 19 x Read Only

Action Output

#	Time	Action	Message	Duration / Fetch
56	23:48:53	select Customer_name from Customer c join IssueStatus i on c.Customer_Id=i.Issued_cust where Issue_date b...	1 row(s) returned	0.000 sec / 0.000 sec
57	23:48:50	select Customer_Id,Customer_name,Issue_date from Customer c join IssueStatus i on c.Customer_Id=i.Issued...	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: mysql project* SQL File 3*

Limit to 1000 rows

SCHEMAS

- library
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- sales
- school
- schoolinfo

Administration Schemas

No object selected

337
338 -- 9. Retrieve book_title from book table containing history.
339
340 • select Book_title, Category
341 from Books
342 where Book_title like '%history%';
343

Result Grid | Filter Rows: Export: Wrap Cell Content: 15

Book_title	Category
A History of Engineering in Classical and Medieval...	Electrical and Electronic Engineering
A History of Mechanical Inventions	Mechanical Engineering
A History of Civil Engineering	Civil Engineering

Books 21 x

Action Output

#	Time	Action	Message	Duration / Fetch
1	58 23:49:04	select Book_title from Books where Book_title like "%history%" LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
2	59 23:49:59	select Book_title, Category from Books where Book_title like "%history%" LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: mysql project* SQL File 3*

Limit to 1000 rows

SCHEMAS

- library
 - Tables
 - Views
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 - Tables
 - Views
 - Stored Procedures
- product
- sales
- school
- schoolinfo

Administration Schemas

No object selected

343
344 -- 10. Retrieve the branch numbers along with the count of employees for branches having more than 5 employees
345
346 • select Branch_no, count(*) as Total_Employee
347 from Employee
348 group by Branch_no
349 having count(*)>5;

Result Grid | Filter Rows: Export: Wrap Cell Content: 15

Branch_no	Total_Employee
1	7

Result 22 x

Action Output

#	Time	Action	Message	Duration / Fetch
1	59 23:49:59	select Book_title, Category from Books where Book_title like "%history%" LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
2	60 23:50:15	select Branch_no, count(*) as Total_Employee from Employee group by Branch_no having count(*)>5 LIMIT 0, 1	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

