

SQL PROJECT ON LIBRARY MANAGEMENT SYSTEM

By Shino Mary Philipose

CREATING DATABASE - LIBRARY

MySQL Workbench

Local instance MySQL80 x

Edit View Query Database Server Tools Scripting Help

Project Library Management Sys...

Limit to 5000 rows

```
1 • CREATE DATABASE LIBRARY;
2 • USE LIBRARY;
3
4
5 # Creating Table Branch.
6 • CREATE TABLE Branch (Branch_no INT PRIMARY KEY,
7   Manager_Id INT,Branch_address VARCHAR(25),
8   Contact_no CHAR(10));
9
10 • DESC Branch;
```

Filter objects

- d36_db_2
- entri_dsml_d36
- Tables
- Views
- Stored Procedures
 - add_worker
 - AddNumbers
 - AddNumbers2
 - AverageSalaryOfWor
 - GetAverageSalaryBy
 - GetEmployeeCountA
 - GetSalarybyID
 - Getsum
 - Getsum2
 - Getsum3
 - IncreaseSalaryByPer
 - MultinlvRuTwo

Administration Schemas

No object selected

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	17:09:28	CREATE DATABASE LIBRARY	1 row(s) affected	0.015 sec
✓ 2	17:10:13	USE LIBRARY	0 row(s) affected	0.000 sec
✓ 3	18:12:07	CREATE TABLE Branch (Branch_no INT PRIMARY KEY, Manager_Id INT,Branch_address...	0 row(s) affected	0.047 sec
✓ 4	18:12:12	DESC Branch	4 row(s) returned	0.000 sec / 0.000 sec

CREATING TABLE 'BRANCH'

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

d36_db_2

entri_dsml_d36

Tables

Views

Stored Procedures

add_worker

AddNumbers

AddNumbers2

AverageSalaryOfWor

GetAverageSalaryBy

GetEmployeeCountA

GetSalarybyID

Getsum

Getsum2

Getsum3

IncreaseSalaryByPer

MultinlvRuTun

Administration Schemas

Information

No object selected

Project Library Management Sys...

Limit to 5000 rows

```
5 # Creating Table Branch.
6 CREATE TABLE Branch (Branch_no INT PRIMARY KEY,
7   Manager_Id INT,Branch_address VARCHAR(25),
8   Contact_no CHAR(10));
9
10 DESC Branch;
```

Result Grid

Field	Type	Null	Key	Default	Extra
Branch_no	int	NO	PRI	NULL	
Manager_Id	int	YES		NULL	
Branch_address	varchar(25)	YES		NULL	
Contact_no	char(10)	YES		NULL	

Result 2

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	17:09:28	CREATE DATABASE LIBRARY	1 row(s) affected	0.015 sec
✓ 2	17:10:13	USE LIBRARY	0 row(s) affected	0.000 sec
✓ 3	18:12:07	CREATE TABLE Branch (Branch_no INT PRIMARY KEY, Manager_Id INT,Branch_address...	0 row(s) affected	0.047 sec
✓ 4	18:12:12	DESC Branch	4 row(s) returned	0.000 sec / 0.000 se
✓ 5	18:41:52	DESC Branch	4 row(s) returned	0.000 sec / 0.000 se

Object Info Session

CREATING TABLE 'EMPLOYEE'

MySQL Workbench

Local instance MySQL80 (libr... x unconnected x

le Edit View Query Database Server Tools Scripting Help

Navigator

CHEMAS

Filter objects

d36_db_2

entri_dsml_d36

Tables

Views

Stored Procedures

add_worker

AddNumbers

AddNumbers2

AverageSalaryOfWor

GetAverageSalaryBy

GetEmployeeCountA

GetSalarybyID

Getsum

Getsum2

Getsum3

IncreaseSalaryByPen

Project Library Management Sys... x

Limit to 5000 rows

```
14 Emp_name VARCHAR(30), Position VARCHAR(25),
15 Salary DECIMAL(10,2), Branch_no INT,
16 FOREIGN KEY(Branch_no)REFERENCES
17 Branch(Branch_no)) ;
18 DESC Employee ;
```

Result Grid

Field	Type	Null	Key	Default	Extra
Emp_Id	int	NO	PRI	NULL	
Emp_name	varchar(30)	YES		NULL	
Position	varchar(25)	YES		NULL	
Salary	decimal(10,2)	YES		NULL	
Branch_no	int	YES	MUL	NULL	

Result 3 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
3	18:12:07	CREATE TABLE Branch (Branch_no INT PRIMARY KEY, Manager_Id INT, Branch_addre...	0 row(s) affected	0.047 sec
4	18:12:12	DESC Branch	4 row(s) returned	0.000 sec / 0.000 s
5	18:41:52	DESC Branch	4 row(s) returned	0.000 sec / 0.000 s
6	19:26:03	CREATE TABLE Employee(Emp_Id INT PRIMARY KEY, Emp_name VARCHAR(30), Po...	Error Code: 1072. Key column 'Branch_no' doesn't exist in table	0.000 sec
7	19:34:38	CREATE TABLE Employee(Emp_Id INT PRIMARY KEY, Emp_name VARCHAR(30), Po...	0 row(s) affected	0.047 sec
8	19:35:25	DESC Employee	5 row(s) returned	0.000 sec / 0.000 s

No object selected

Object Info Session

Query Completed

CREATING TABLE 'BOOKS'

MySQL Workbench

Local instance MySQL80 (libr... x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

d36_db_2

entri_dsml_d36

Tables

Views

Stored Procedures

add_workor

AddNumbers

AddNumbers2

AverageSalaryOfWor

GetAverageSalaryBy

GetEmployeeCountA

GetSalarybyID

Getsum

Getsum2

Getsum3

IncreaseSalaryByPer

Administration Schemas

Information

No object selected

Project Library Management Sys... x

Limit to 5000 rows

```
22 Book_title VARCHAR(50),Category VARCHAR(30),
23 Status ENUM('Yes','No'),Author VARCHAR(30),
24 Publisher VARCHAR(30));
25
26 • DESC Books ;
27 • ALTER TABLE Books ADD COLUMN Rental price DECIMAL(8,2);
```

Result Grid

	Field	Type	Null	Key	Default	Extra
▶	ISBN	varchar(30)	NO	PRI	NULL	
	Book_title	varchar(50)	YES		NULL	
	Category	varchar(30)	YES		NULL	
	Status	enum('Yes','No')	YES		NULL	
	Author	varchar(30)	YES		NULL	
	Publisher	varchar(30)	YES		NULL	
	Rental_price	decimal(8,2)	YES		NULL	

Result 11 x

Output

Action Output

#	Time	Action	Message
✓ 18	21:23:07	INSERT INTO Branch (Branch_no ,Manager_id,Branch_address,Contact_no)VALUES(0...	4 row(s) affected Records: 4 Duplicates: 0 Warnings: 0
✓ 19	22:04:26	SELECT *FROM Branch LIMIT 0, 5000	4 row(s) returned
✓ 20	00:57:53	INSERT INTO Employee(Emp_Id ,Emp_name , Position , Salary, Branch_no) VALU...	14 row(s) affected Records: 14 Duplicates: 0 Warnings: 0
✓ 21	00:59:33	SELECT* FROM Employee LIMIT 0, 5000	14 row(s) returned
✓ 22	14:17:50	ALTER TABLE Books ADD COLUMN Rental_price DECIMAL(8,2)	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0
✓ 23	14:18:02	DESC Books	7 row(s) returned

Object Info Session

CREATING TABLE 'CUSTOMER'

MySQL Workbench

Local instance MySQL80 (libr... x unconnected x

le Edit View Query Database Server Tools Scripting Help

Navigator: Project Library Management Sys... x

CHEMAS

Filter objects

- d36_db_2
 - entri_dsml_d36
 - Tables
 - Views
 - Stored Procedures
 - add_worker
 - AddNumbers
 - AddNumbers2
 - AverageSalaryOfWor
 - GetAverageSalaryBy
 - GetEmployeeCountA
 - GetSalarybyID
 - Getsum
 - Getsum2
 - Getsum3
 - IncreaseSalaryByPer

administration Schemas

information

No object selected

```
29 CREATE TABLE Customer(Customer_Id INT PRIMARY KEY,
30     Customer_name VARCHAR(30),
31     Customer_address VARCHAR(50),
32     Reg_date DATE ) ;
33
34 DESC Customer ;
```

Result Grid

Field	Type	Null	Key	Default	Extra
Customer_Id	int	NO	PRI	NULL	
Customer_name	varchar(30)	YES		NULL	
Customer_address	varchar(50)	YES		NULL	
Reg_date	date	YES		NULL	

Result 5 x

Output

Action Output

#	Time	Action	Message
7	19:34:38	CREATE TABLE Employee(Emp_Id INT PRIMARY KEY, Emp_name VARCHAR(30), Po...	0 row(s) affected
8	19:35:25	DESC Employee	5 row(s) returned
9	20:20:21	CREATE TABLE Books(ISBN VARCHAR(30) PRIMARY KEY, Book_title VARCHAR(50)...	0 row(s) affected
10	20:21:01	DESC Books	6 row(s) returned
11	20:27:53	CREATE TABLE Customer(Customer_Id INT PRIMARY KEY, Customer_name VARCH...	0 row(s) affected
12	20:27:58	DESC Customer	4 row(s) returned

Object Info Session

Query Completed

CREATING TABLE 'ISSUE STATUS'

MySQL Workbench

Local instance MySQL80 (libr... x unconnected x

File Edit View Query Database Server Tools Scripting Help

SQL SQL

Navigator: Project Library Management Sys... x

Filter objects

d36_db_2

entri_dsml_d36

Tables

Views

Stored Procedures

add_worker

AddNumbers

AddNumbers2

AverageSalaryOfWor

GetAverageSalaryBy

GetEmployeeCountA

GetSalarybyID

Getsum

Getsum2

Getsum3

IncreaseSalaryByPen

```
37 • CREATE TABLE IssueStatus(Issue_Id INT PRIMARY KEY,
38      Issued_cust INT,FOREIGN KEY(Issued_cust) REFERENCES Customer(Customer_Id),
39      Issued_book_name VARCHAR (30),Issue_date DATE,
40      Isbn_book VARCHAR(30),FOREIGN KEY (Isbn_book) REFERENCES Books(ISBN));
41
42 • DESC IssueStatus ;
```

Result Grid

Field	Type	Null	Key	Default	Extra
Issue_Id	int	NO	PRI	NULL	
Issued_cust	int	YES	MUL	NULL	
Issued_book_name	varchar(30)	YES		NULL	
Issue_date	date	YES		NULL	
Isbn_book	varchar(30)	YES	MUL	NULL	

Administration Schemas

Information

No object selected

Result 6 x

Output

Action Output

#	Time	Action	Message
✓ 9	20:20:21	CREATE TABLE Books(ISBN VARCHAR(30) PRIMARY KEY, Book_title VARCHAR(50)...	0 row(s) affected
✓ 10	20:21:01	DESC Books	6 row(s) returned
✓ 11	20:27:53	CREATE TABLE Customer(Customer_Id INT PRIMARY KEY, Customer_name VARCH...	0 row(s) affected
✓ 12	20:27:58	DESC Customer	4 row(s) returned
✓ 13	20:53:09	CREATE TABLE IssueStatus(Issue_Id INT PRIMARY KEY, Issued_cust INT,FOREIG...	0 row(s) affected
✓ 14	20:53:19	DESC IssueStatus	5 row(s) returned

Object Info Session

Query Completed

CREATING TABLE 'RETURN STATUS'

MySQL Workbench

Local instance MySQL80 (libr... x unconnected x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- d36_db_2
- entri_dsm1_d36
 - Tables
 - Views
 - Stored Procedures
 - add_worker
 - AddNumbers
 - AddNumbers2
 - AverageSalaryOfWor
 - GetAverageSalaryBy
 - GetEmployeeCountA
 - GetSalarybyID
 - Getsum
 - Getsum2
 - Getsum3
 - IncreaseSalaryByPeri

Administration Schemas

Information

No object selected

Project Library Management Sys...

Limit to 5000 rows

```
45 CREATE TABLE ReturnStatus(Return_Id INT PRIMARY KEY,  
46     Return_cust VARCHAR(30),  
47     Return_book_name VARCHAR(30),Return_date DATE,  
48     Isbn_book2 VARCHAR(30),FOREIGN KEY (Isbn_book2) REFERENCES Books(ISBN)) ;  
49  
50 DESC ReturnStatus ;
```

Result Grid

Field	Type	Null	Key	Default	Extra
Return_Id	int	NO	PRI	NULL	
Return_cust	varchar(30)	YES		NULL	
Return_book_name	varchar(30)	YES		NULL	
Return_date	date	YES		NULL	
Isbn_book2	varchar(30)	YES	MUL	NULL	

Result 7 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 11	20:27:53	CREATE TABLE Customer(Customer_Id INT PRIMARY KEY, Customer_name VARCHAR...	0 row(s) affected	0.203 sec
✓ 12	20:27:58	DESC Customer	4 row(s) returned	0.000 sec / 0.000 se
✓ 13	20:53:09	CREATE TABLE IssueStatus(Issue_Id INT PRIMARY KEY, Issued_cust INT,FOREIG...	0 row(s) affected	0.500 sec
✓ 14	20:53:19	DESC IssueStatus	5 row(s) returned	0.000 sec / 0.000 se
✓ 15	21:02:49	CREATE TABLE ReturnStatus(Return_Id INT PRIMARY KEY, Return_cust VARCHA...	0 row(s) affected	0.312 sec
✓ 16	21:02:54	DESC ReturnStatus	5 row(s) returned	0.000 sec / 0.000 se

Object Info Session

Query Completed

SHOWING ALL TABLES

MySQL Workbench

Local instance MySQL80 (libr... x unconnected x

File Edit View Query Database Server Tools Scripting Help

Navigator: Project Library Management Sys... x

Limit to 5000 rows

48 Isbn_book2 VARCHAR(30),FOREIGN KEY (Isbn_book2) REFERENCES Books(ISBN)) ;

49

50 • DESC ReturnStatus ;

51

52 • SHOW TABLES;

Result Grid Filter Rows: Export: Wrap Cell Content:

Tables_in_library

books

branch

customer

employee

issuestatus

returnstatus

Result 8 x

Output

Action Output

#	Time	Action	Message
✓ 12	20:27:58	DESC Customer	4 row(s) returned
✓ 13	20:53:09	CREATE TABLE IssueStatus(Issue_Id INT PRIMARY KEY, Issued_cust INT,FOREIG...	0 row(s) affected
✓ 14	20:53:19	DESC IssueStatus	5 row(s) returned
✓ 15	21:02:49	CREATE TABLE ReturnStatus(Return_Id INT PRIMARY KEY, Return_cust VARCHA...	0 row(s) affected
✓ 16	21:02:54	DESC ReturnStatus	5 row(s) returned
✓ 17	21:07:07	SHOW TABLES	6 row(s) returned

Object Info Session

Query Completed

INSERTING VALUES INTO TABLE BRANCH

mysql workbench

Local instance MySQL80 (libr... x unconnected x

File Edit View Query Database Server Tools Scripting Help

Project Library Management Sys... x

Limit to 5000 rows

```
54 • INSERT INTO Branch (Branch_no ,Manager_Id,Branch_address,Contact_no)VALUES(
55     001,1001,'001 Main St',123456789),
56     (002,1002,'002 Out St',123456799),
57     (003,1003,'13 Alma St',123456788),
58     (004,1004,'14 Pine St',123456777) ;
59 • SELECT *FROM Branch ;
```

Result Grid

	Branch_no	Manager_Id	Branch_address	Contact_no
▶	1	1001	001 Main St	123456789
	2	1002	002 Out St	123456799
	3	1003	13 Alma St	123456788
	4	1004	14 Pine St	123456777
*	NULL	NULL	NULL	NULL

Branch 9 x

Output

Action Output

#	Time	Action	Message	Duration / Fetc
✓ 14	20:53:19	DESC IssueStatus	5 row(s) returned	0.000 sec / 0
✓ 15	21:02:49	CREATE TABLE ReturnStatus(Return_Id INT PRIMARY KEY, Return_cust VARCHAR...	0 row(s) affected	0.312 sec
✓ 16	21:02:54	DESC ReturnStatus	5 row(s) returned	0.000 sec / 0
✓ 17	21:07:07	SHOW TABLES	6 row(s) returned	0.000 sec / 0
✓ 18	21:23:07	INSERT INTO Branch (Branch_no ,Manager_Id,Branch_address,Contact_no)VALUES(0...	4 row(s) affected Records: 4 Duplicates: 0 Warnings: 0	0.031 sec
✓ 19	22:04:26	SELECT *FROM Branch LIMIT 0, 5000	4 row(s) returned	0.000 sec / 0

Object Info Session

Query Completed

INSERTING VALUES INTO TABLE EMPLOYEE

MySQL Workbench

Local instance MySQL80 (libr... x unconnected x

Edit View Query Database Server Tools Scripting Help

Navigator: Project Library Management Sys... x

Filter objects

d36_db_2
entri_dsml_d36
Tables
Views
Stored Procedures
add_worker
AddNumbers
AddNumbers2
AverageSalaryOfWor
GetAverageSalaryBy
GetEmployeeCountA
GetSalarybyID
Getsum
Getsum2
Getsum3
IncreaseSalaryByPer

Limit to 5000 rows

```
73      (111, 'Brown Lee', 'Librarian', 68000.00, 003),  
74      (112, 'Mark Tyson', 'Manager', 75000.00, 004),  
75      (113, 'Laura Fen', 'Librarian', 45000.00, 004),  
76      (114, 'Philip Glen', 'Clerk', 35000.00, 004);  
77  
78 •    SELECT* FROM Employee ;
```

Result Grid

Emp_Id	Emp_name	Position	Salary	Branch_no
103	Sara John	Librarian	70000.00	1
104	Mike Turner	Clerk	35000.00	1
105	Emil Joe	Assistant	45000.00	1
106	Daniel Spencer	Clerk	50000.00	1
107	Christopher	Manager	80000.00	2
108	Hazel Lee	Assistant	35000.00	2
109	Emily Johnson	Librarian	67000.00	2

Employee 10 x

Output

Action Output

#	Time	Action	Message	
✓ 16	21:02:54	DESC ReturnStatus	5 row(s) returned	0.
✓ 17	21:07:07	SHOW TABLES	6 row(s) returned	0.
✓ 18	21:23:07	INSERT INTO Branch (Branch_no ,Manager_Id,Branch_address,Contact_no)VALUES(0...	4 row(s) affected Records: 4 Duplicates: 0 Warnings: 0	0.
✓ 19	22:04:26	SELECT *FROM Branch LIMIT 0, 5000	4 row(s) returned	0.
✓ 20	00:57:53	INSERT INTO Employee(Emp_Id ,Emp_name , Position , Salary, Branch_no) VALU...	14 row(s) affected Records: 14 Duplicates: 0 Warnings: 0	0.
✓ 21	00:59:33	SELECT* FROM Employee LIMIT 0, 5000	14 row(s) returned	0.

No object selected

ect Info Session

y Completed

INSERTING VALUES INTO TABLE BOOKS

MySQL Workbench

Local instance MySQL80 (libr... x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

d36_db_2

entri_dsml_d36

Tables

Views

Stored Procedures

add_worker

AddNumbers

AddNumbers2

AverageSalaryOfWor

GetAverageSalaryBy

GetEmployeeCountA

GetSalarybyID

Getsum

Getsum2

Getsum3

IncreaseSalaryByPer

Administration Schemas

Information

No object selected

Project Library Management Sys... x

Limit to 5000 rows

```
88 ('978-0-30-777366-1','Plagues and Peoples','History',15.00,'No','William H McNeill','McNeill Publishers'),
89 ('978-6-94-52444-0','The Alchemist','Classic',25.00,'Yes','Paulo Coelho','Harper Collins Publishers'),
90 ('978-0-55-329698-3','The Diary of a Young Girl','History',26.00,'Yes','Anna Frank','Bantam');
91
92 • SELECT * FROM Books ;
```

Result Grid

	ISBN	Book_title	Category	Status	Author	Publisher	Rental_price
▶	978-0-07-553632-1	Anna Karenina	Classic	No	Leo Tolstoy	Russian Messenger	15.00
	978-0-19-250651-1	The Guns of August	History	Yes	Barbara Tuchman	Presidio Press	27.00
	978-0-30-777366-1	Plagues and Peoples	History	No	William H McNeill	McNeill Publishers	15.00
	978-0-44-03837-41	A Study Of History	History	Yes	Arnold J Tynbee	Oxford University Press	17.50
	978-0-55-329698-3	The Diary of a Young Girl	History	Yes	Anna Frank	Bantam	26.00
	978-1-25-023078-2	The Silent Patient	Psychology	Yes	Alex Michaelidas	Michaelidas Publications	26.00
	978-1-42-810832-5	Pride and Prejudice	Classic	No	Jane Austin	Dover Publications	15.50

Books 12 x

Output

Action Output

#	Time	Action	Message
✓ 20	00:57:53	INSERT INTO Employee(Emp_Id ,Emp_name , Position , Salary, Branch_no) VALU...	14 row(s) affected Records: 14 Duplicates: 0 Warnings: 0
✓ 21	00:59:33	SELECT* FROM Employee LIMIT 0, 5000	14 row(s) returned
✓ 22	14:17:50	ALTER TABLE Books ADD COLUMN Rental_price DECIMAL(8,2)	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0
✓ 23	14:18:02	DESC Books	7 row(s) returned
✓ 24	14:55:21	INSERT INTO Books (ISBN,Book_title,Category,Rental_price,Status ,Author,Publisher)VAL...	8 row(s) affected Records: 8 Duplicates: 0 Warnings: 0
✓ 25	14:55:52	SELECT * FROM Books LIMIT 0, 5000	8 row(s) returned

Object Info Session

INSERTING VALUES INTO TABLE CUSTOMER

MySQL Workbench

Local instance MySQL80 (libr... x

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

Filter objects

- d36_db_2
- entri_dsmi_d36
 - Tables
 - Views
 - Stored Procedures
 - add_worker
 - AddNumbers
 - AddNumbers2
 - AverageSalaryOfWor
 - GetAverageSalaryBy
 - GetEmployeeCountA
 - GetSalarybyID
 - Getsum
 - Getsum2
 - Getsum3
 - IncreaseSalaryByPer

Administration Schemas

Information

Project Library Management Sys... x

Limit to 5000 rows

```
101      (6,'Linz Turner','456 Elim St','2022-11-26'),
102      (7,'Jack Wilson','34 Cedar St','2022-01-01'),
103      (8,'Brown Fen','577 Maddi St','2021-11-28') ;
104
105 •     SELECT* FROM Customer ;
106
```

Result Grid

	Customer_Id	Customer_name	Customer_address	Reg_date
	2	Bob Johns	32 Oak St	2021-09-18
	3	Hazel Joe	345 Walnut St	2022-09-05
	4	Henry Anderson	Perch county	2022-08-08
	5	Ben Jefferson	10 North St	2022-07-25
	6	Linz Turner	456 Elim St	2022-11-26
	7	Jack Wilson	34 Cedar St	2022-01-01
	8	Brown Fen	577 Maddi St	2021-11-28

Customer 13 x

Output

Action Output

#	Time	Action	Message
✓ 22	14:17:50	ALTER TABLE Books ADD COLUMN Rental_price DECIMAL(8,2)	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0
✓ 23	14:18:02	DESC Books	7 row(s) returned
✓ 24	14:55:21	INSERT INTO Books (ISBN,Book_title,Category,Rental_price,Status ,Author,Publisher)VAL...	8 row(s) affected Records: 8 Duplicates: 0 Warnings: 0
✓ 25	14:55:52	SELECT * FROM Books LIMIT 0, 5000	8 row(s) returned
✓ 26	15:26:19	INSERT INTO Customer(Customer_Id,Customer_name ,Customer_address,Reg_date)Value...	8 row(s) affected Records: 8 Duplicates: 0 Warnings: 0
✓ 27	15:27:08	SELECT* FROM Customer LIMIT 0, 5000	8 row(s) returned

Object Info Session

INSERTING VALUES INTO TABLE ISSUE STATUS

MySQL Workbench

Local instance MySQL80 (libr... x

File Edit View Query Database Server Tools Scripting Help

Navigator: Project Library Management Sys... x

SCHEMAS

Filter objects

d36_db_2

entri_dsml_d36

Tables

Views

Stored Procedures

add_worker

AddNumbers

AddNumbers2

AverageSalaryOfWor

GetAverageSalaryBy

GetEmployeeCountA

GetSalarybyID

Getsum

Getsum2

Getsum3

IncreaseSalaryByPer

Administration Schemas

Information

No object selected

Object Info Session

Limit to 5000 rows

```
111      (03,4,'The Slient Patient','2022-08-10','978-1-25-023078-2'),
112      (04,5,'The Alchemist','2022-07-25','978-6-94-52444-0'),
113      (05,6,'The Diary of a Young Girl','2023-06-06','978-0-55-329698-3') ;
114
115 • SELECT * FROM IssueStatus ;
```

Result Grid

	Issue_Id	Issued_cust	Issued_book_name	Issue_date	Isbn_book
▶	1	2	A Study Of History	2021-09-25	978-0-44-03837-41
	2	3	The Guns of August	2022-09-10	978-0-19-250651-1
	3	4	The Slient Patient	2022-08-10	978-1-25-023078-2
	4	5	The Alchemist	2022-07-25	978-6-94-52444-0
	5	6	The Diary of a Young Girl	2023-06-06	978-0-55-329698-3
*	NULL	NULL	NULL	NULL	NULL

IssueStatus 14 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 24	14:55:21	INSERT INTO Books (ISBN,Book_title,Category,Rental_price,Status ,Author,Publisher)VAL...	8 row(s) affected Records: 8 Duplicates: 0 Warnings: 0	0.000 sec
✓ 25	14:55:52	SELECT * FROM Books LIMIT 0, 5000	8 row(s) returned	0.000 sec / 0.00
✓ 26	15:26:19	INSERT INTO Customer(Customer_Id,Customer_name ,Customer_address,Reg_date)Value...	8 row(s) affected Records: 8 Duplicates: 0 Warnings: 0	0.016 sec
✓ 27	15:27:08	SELECT* FROM Customer LIMIT 0, 5000	8 row(s) returned	0.000 sec / 0.00
✓ 28	16:02:28	INSERT INTO IssueStatus(Issue_Id,Issued_cust ,Issued_book_name ,Issue_date,Isbn_boo...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.015 sec
✓ 29	16:03:22	SELECT * FROM IssueStatus LIMIT 0, 5000	5 row(s) returned	0.000 sec / 0.00

INSERTING VALUES INTO TABLE RETURN STATUS

MySQL Workbench

Local instance MySQL80 (libr... x

File Edit View Query Database Server Tools Scripting Help

Navigator: Project Library Management Sys... x

Limit to 5000 rows

SCHEMAS

Filter objects

d36_db_2

entri_dsml_d36

Tables

Views

Stored Procedures

add_worker

AddNumbers

AddNumbers2

AverageSalaryOfWor

GetAverageSalaryBy

GetEmployeeCountA

GetSalarybyID

Getsum

Getsum2

Getsum3

IncreaseSalaryByPer

Administration Schemas

Information

No object selected

Object Info Session

```
121      ('1003',4,'The Slient Patient','2022-09-11','978-1-25-023078-2'),
122      ('1004',5,'The Alchemist','2022-08-25','978-6-94-52444-0'),
123      ('1005',6,'The Diary of a Young Girl','2023-06-26','978-0-55-329698-3');
124
125 • SELECT * FROM ReturnStatus ;
```

Result Grid

	Return_Id	Return_cust	Return_book_name	Return_date	Isbn_book2
▶	1001	2	A Study Of History	2021-11-25	978-0-44-03837-41
	1002	3	The Guns of August	2022-09-30	978-0-19-250651-1
	1003	4	The Slient Patient	2022-09-11	978-1-25-023078-2
	1004	5	The Alchemist	2022-08-25	978-6-94-52444-0
	1005	6	The Diary of a Young Girl	2023-06-26	978-0-55-329698-3
*	NULL	NULL	NULL	NULL	NULL

ReturnStatus 15 x

Output

Action Output

#	Time	Action	Message	Duration / Fe
✓ 27	15:27:08	SELECT * FROM Customer LIMIT 0, 5000	8 row(s) returned	0.000 sec / C
✓ 28	16:02:28	INSERT INTO IssueStatus(Issue_Id,Issued_cust ,Issued_book_name ,Issue_date,Isbn_bo...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.015 sec
✓ 29	16:03:22	SELECT * FROM IssueStatus LIMIT 0, 5000	5 row(s) returned	0.000 sec / C
✗ 30	16:20:36	INSERT INTO ReturnStatus(Return_Id,Return_cust ,Return_book_name, Retur...	Error Code: 1366. Incorrect integer value: 'RS01' for column 'Return_Id' at row 1	0.000 sec
✓ 31	16:22:17	INSERT INTO ReturnStatus(Return_Id,Return_cust ,Return_book_name, Retur...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.016 sec
✓ 32	16:23:10	SELECT * FROM ReturnStatus LIMIT 0, 5000	5 row(s) returned	0.000 sec / C

QUERIES:

1. RETRIEVE BOOK TITLE, CATEGORY, RENTAL PRICE OF ALL AVAILABLE BOOKS

MySQL Workbench

Local instance MySQL80 (libr... x

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

Filter objects

d36_db_2

entri_dsml_d36

Tables

Views

Stored Procedures

add_workor

AddNumbers

AddNumbers2

AverageSalaryOfWor

GetAverageSalaryBy

GetEmployeeCountA

GetSalarybyID

Getsum

Getsum2

Getsum3

IncreaseSalaryByPer

Administration Schemas

Information

No object selected

Project Library Management Sys... x

Limit to 5000 rows

```
125 • SELECT * FROM ReturnStatus ;
126
127 #QUERIES
128 #1.Retrieve the book title,Category,and rental price of all available books.
129 • SELECT Book_title,Category,Rental_price FROM Books WHERE Status = 'Yes';
```

Result Grid

	Book_title	Category	Rental_price
▶	The Guns of August	History	27.00
	A Study Of History	History	17.50
	The Diary of a Young Girl	History	26.00
	The Silent Patient	Psychology	26.00
	The Alchemist	Classic	25.00

Books 16 x

Output

Action Output

#	Time	Action	Message	Duration / Fet
✓ 29	16:03:22	SELECT * FROM IssueStatus LIMIT 0, 5000	5 row(s) returned	0.000 sec / 0
✗ 30	16:20:36	INSERT INTO ReturnStatus(Return_Id,Retum_cust ,Retum_book_name, Retur...	Error Code: 1366. Incorrect integer value: 'RS01'for column 'Return_Id' at row 1	0.000 sec
✓ 31	16:22:17	INSERT INTO ReturnStatus(Return_Id,Retum_cust ,Retum_book_name, Retur...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.016 sec
✓ 32	16:23:10	SELECT * FROM ReturnStatus LIMIT 0, 5000	5 row(s) returned	0.000 sec / 0
✗ 33	16:30:40	SELECT Book_title,Category,Rental_price WHERE Status = 'Yes'	Error Code: 1054. Unknown column 'Book_title' in 'field list'	0.000 sec
✓ 34	16:32:04	SELECT Book_title,Category,Rental_price FROM Books WHERE Status = 'Yes' LIMIT 0, 50...	5 row(s) returned	0.000 sec / 0

Object Info Session

Query Completed

2. LIST THE EMPLOYEE NAMES AND THEIR RESPECTIVE SALARIES IN DESCENDING ORDER OF SALARY

MySQL Workbench

Local instance MySQL80 (libr... x

File Edit View Query Database Server Tools Scripting Help

Navigator: Project Library Management Sys... x

SCHEMAS

Filter objects

d36_db_2

entri_dsml_d36

Tables

Views

Stored Procedures

add_worker

AddNumbers

AddNumbers2

AverageSalaryOfWor

GetAverageSalaryBy

GetEmployeeCountA

GetSalarybyID

Getsum

Getsum2

Getsum3

IncreaseSalaryByPeri

Administration Schemas

Information

No object selected

Object Info Session

Query Completed

Limit to 5000 rows

128 #1.Retrieve the book title,Category,and rental price of all available books.

129 • SELECT Book_title,Category,Rental_price FROM Books WHERE Status = 'Yes';

130

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

132 • SELECT Emp_name,Salary FROM Employee ORDER BY Salary DESC;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Emp_name	Salary
John Bob	80000.00
Christopher	80000.00
Ben Fenny	77000.00
Mark Tyson	75000.00
Sara John	70000.00
Brown Lee	68000.00
Emily Johnson	67000.00

Employee 17 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
30	16:20:36	INSERT INTO ReturnStatus(Return_id,Retum_cust ,Return_book_name,	Retur... Error Code: 1366. Incorrect integer value: 'RS01' for column 'Return_Id' at row 1	0.000 sec
31	16:22:17	INSERT INTO ReturnStatus(Return_id,Retum_cust ,Return_book_name,	Retur... 5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.016 sec
32	16:23:10	SELECT * FROM ReturnStatus LIMIT 0, 5000	5 row(s) returned	0.000 sec / 0.000
33	16:30:40	SELECT Book_title,Category,Rental_price WHERE Status = 'Yes'	Error Code: 1054. Unknown column 'Book_title' in 'field list'	0.000 sec
34	16:32:04	SELECT Book_title,Category,Rental_price FROM Books WHERE Status = 'Yes' LIMIT 0, 50...	5 row(s) returned	0.000 sec / 0.000
35	16:38:19	SELECT Emp_name,Salary FROM Employee ORDER BY Salary DESC LIMIT 0, 5000	14 row(s) returned	0.000 sec / 0.000

3. RETRIEVE THE BOOK TITLES AND THE CORRESPONDING CUSTOMERS WHO HAVE ISSUED THOSE BOOKS

MySQL Workbench

Local instance MySQL80 (libr... x

File Edit View Query Database Server Tools Scripting Help

Navigator

Project Library Management Sys... x

Limit to 5000 rows

132 • **SELECT** Emp_name,Salary **FROM** Employee **ORDER BY** Salary **DESC**;

133

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

135 • **SELECT** IssueStatus.Issued_book_name,Customer.Customer_name **FROM** IssueStatus

136 **INNER JOIN** Customer **ON** IssueStatus.Issued_cust = Customer.Customer_Id ;

Result Grid

	Issued_book_name	Customer_name
▶	A Study Of History	Bob Johns
	The Guns of August	Hazel Joe
	The Silent Patient	Henry Anderson
	The Alchemist	Ben Jefferson
	The Diary of a Young Girl	Linz Turner

Administration Schemas

Information

No object selected

Object Info Session

Query Completed

Result 18 x

Output

Action Output

#	Time	Action	Message	Duration / Fet
✓ 31	16:22:17	INSERT INTO ReturnStatus(Return_Id,Retun_cust ,Return_book_name,	Retur... 5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.016 sec
✓ 32	16:23:10	SELECT * FROM ReturnStatus LIMIT 0, 5000	5 row(s) returned	0.000 sec / 0.
✗ 33	16:30:40	SELECT Book_title,Category,Rental_price WHERE Status = 'Yes'	Error Code: 1054. Unknown column 'Book_title' in 'field list'	0.000 sec
✓ 34	16:32:04	SELECT Book_title,Category,Rental_price FROM Books WHERE Status = 'Yes' LIMIT 0, 50...	5 row(s) returned	0.000 sec / 0.
✓ 35	16:38:19	SELECT Emp_name,Salary FROM Employee ORDER BY Salary DESC LIMIT 0, 5000	14 row(s) returned	0.000 sec / 0.
✓ 36	16:53:54	SELECT IssueStatus.Issued_book_name,Customer.Customer_name FROM IssueStatus INN...	5 row(s) returned	0.000 sec / 0.

4. DISPLAY THE TOTAL COUNT OF BOOKS IN EACH CATEGORY

MySQL Workbench

Local instance MySQL80 (libr... x

File Edit View Query Database Server Tools Scripting Help

Navigator: Project Library Management Sys... x

SCHEMAS

Filter objects

- d36_db_2
- entri_dsml_d36
 - Tables
 - Views
 - Stored Procedures
 - add_worker
 - AddNumbers
 - AddNumbers2
 - AverageSalaryOfWor
 - GetAverageSalaryBy
 - GetEmployeeCountA
 - GetSalarybyID
 - Getsum
 - Getsum2
 - Getsum3
 - IncreaseSalaryByPer

Administration Schemas

Information

No object selected

```
135 • SELECT IssueStatus.Issued_book_name, Customer.Customer_name FROM IssueStatus
136 INNER JOIN Customer ON IssueStatus.Issued_cust = Customer.Customer_Id ;
137
138 #4. Display the total count of books in each category.
139 • SELECT Category, COUNT(Book_title) FROM Books GROUP BY Category ;
```

Result Grid

	Category	COUNT(Book_title)
▶	Classic	3
	History	4
	Psychology	1

Result 19 x

Output

Action Output

#	Time	Action	Message	Duration / Fel	
✖	33	16:30:40	SELECT Book_title, Category, Rental_price WHERE Status = "Yes"	Error Code: 1054. Unknown column 'Book_title' in 'field list'	0.000 sec
✔	34	16:32:04	SELECT Book_title, Category, Rental_price FROM Books WHERE Status = "Yes" LIMIT 0, 50...	5 row(s) returned	0.000 sec / 0
✔	35	16:38:19	SELECT Emp_name, Salary FROM Employee ORDER BY Salary DESC LIMIT 0, 5000	14 row(s) returned	0.000 sec / 0
✔	36	16:53:54	SELECT IssueStatus.Issued_book_name, Customer.Customer_name FROM IssueStatus INN...	5 row(s) returned	0.000 sec / 0
✖	37	16:58:20	SELECT Category, COUNT(Book_title) FROM Books GROUP BY Category LIMIT 0, 5000	Error Code: 1054. Unknown column 'Book_title' in 'field list'	0.000 sec
✔	38	16:59:05	SELECT Category, COUNT(Book_title) FROM Books GROUP BY Category LIMIT 0, 5000	3 row(s) returned	0.000 sec / 0

Object Info Session

5. RETRIEVE THE EMPLOYEE NAMES AND THEIR POSITIONS FOR THE EMPLOYEES WHOSE SALARIES ARE ABOVE RS.50,000

MySQL Workbench

Local instance MySQL80 (libr... x

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

Filter objects

- d36_db_2
- entri_dsml_d36
 - Tables
 - Views
 - Stored Procedures
 - add_worker
 - AddNumbers
 - AddNumbers2
 - AverageSalaryOfWor
 - GetAverageSalaryBy
 - GetEmployeeCountA
 - GetSalarybyID
 - Getsum
 - Getsum2
 - Getsum3
 - IncreaseSalaryByPeri

Administration Schemas

Information

No object selected

Project Library Management Sys... x

Limit to 5000 rows

```
138 #4. Display the total count of books in each category.
139 • SELECT Category,COUNT(Book_title) FROM Books GROUP BY Category ;
140
141 #5.Retrieve the employee names and their positions for the employees whose salaries are above Rs.50000 .
142 • SELECT Emp_name,Position FROM Employee WHERE Salary > 50000 ;
```

Result Grid

Emp_name	Position
John Bob	Manager
Sara John	Librarian
Christopher	Manager
Emily Johnson	Librarian
Ben Fenny	Manager
Brown Lee	Librarian
Mark Tyson	Manager

Employee 20 x

Output

Action Output

#	Time	Action	Message	Duration / Fet
✓ 34	16:32:04	SELECT Book_title,Category,Rental_price FROM Books WHERE Status = 'Yes' LIMIT 0, 50...	5 row(s) returned	0.000 sec / 0.
✓ 35	16:38:19	SELECT Emp_name,Salary FROM Employee ORDER BY Salary DESC LIMIT 0, 5000	14 row(s) returned	0.000 sec / 0.
✓ 36	16:53:54	SELECT IssueStatus.Issued_book_name,Customer.Customer_name FROM IssueStatus INN...	5 row(s) returned	0.000 sec / 0.
✗ 37	16:58:20	SELECT Category,COUNT(Book_title) FROM Books GROUP BY Category LIMIT 0, 5000	Error Code: 1054. Unknown column 'Book_title' in field list'	0.000 sec
✓ 38	16:59:05	SELECT Category,COUNT(Book_title) FROM Books GROUP BY Category LIMIT 0, 5000	3 row(s) returned	0.000 sec / 0.
✓ 39	17:05:51	SELECT Emp_name,Position FROM Employee WHERE Salary > 50000 LIMIT 0, 5000	7 row(s) returned	0.000 sec / 0.

Object Info Session

Query Completed

6. LIST THE CUSTOMER NAMES WHO REGISTERED BEFORE 2022-01-01 AND HAVE NOT ISSUED ANY BOOKS YET

MySQL Workbench

Local instance MySQL80 (libr... x

File Edit View Query Database Server Tools Scripting Help

Navigator: Project Library Management Sys... x

SCHEMAS

Filter objects

- d36_db_2
- entri_dsml_d36
 - Tables
 - Views
 - Stored Procedures
 - add_worker
 - AddNumbers
 - AddNumbers2
 - AverageSalaryOfWor
 - GetAverageSalaryBy
 - GetEmployeeCountA
 - GetSalarybyID
 - Getsum
 - Getsum2
 - Getsum3
 - IncreaseSalaryByPen

Administration Schemas

Information

No object selected

Object Info Session

Query Completed

Limit to 5000 rows

```
142 • SELECT Emp_name,Position FROM Employee WHERE Salary > 50000 ;
143
144 #6.List the customer names who registered before 2022-01-01 and have not issued any books yet.
145 • SELECT Customer_name FROM Customer WHERE Reg_date < '2022-01-01' AND
146 Customer_Id NOT IN(SELECT Issued_cust FROM IssueStatus) ;
```

Result Grid

Customer_name
Alice Turner
Brown Fen

Customer 21 x

Output

#	Time	Action	Message	Duration / Fetch
✓ 35	16:38:19	SELECT Emp_name,Salary FROM Employee ORDER BY Salary DESC LIMIT 0, 5000	14 row(s) returned	0.000 sec / 0.000
✓ 36	16:53:54	SELECT IssueStatus.Issued_book_name,Customer.Customer_name FROM IssueStatus INN...	5 row(s) returned	0.000 sec / 0.000
✗ 37	16:58:20	SELECT Category.COUNT(Book_title) FROM Books GROUP BY Category LIMIT 0, 5000	Error Code: 1054. Unknown column 'Book_title' in 'field list'	0.000 sec
✓ 38	16:59:05	SELECT Category.COUNT(Book_title) FROM Books GROUP BY Category LIMIT 0, 5000	3 row(s) returned	0.000 sec / 0.000
✓ 39	17:05:51	SELECT Emp_name,Position FROM Employee WHERE Salary > 50000 LIMIT 0, 5000	7 row(s) returned	0.000 sec / 0.000
✓ 40	17:15:13	SELECT Customer_name FROM Customer WHERE Reg_date < '2022-01-01' AND Custom...	2 row(s) returned	0.016 sec / 0.000

7. DISPLAY THE BRANCH NUMBERS AND THE TOTAL COUNT OF EMPLOYEES IN EACH BRANCH

MySQL Workbench

Local instance MySQL80 (libr... x

File Edit View Query Database Server Tools Scripting Help

Navigator: Project Library Management Sys... x

Filter objects

d36_db_2
entri_dsm1_d36
Tables
Views
Stored Procedures
add_worker
AddNumbers
AddNumbers2
AverageSalaryOfWor
GetAverageSalaryBy
GetEmployeeCountA
GetSalarybyID
Getsum
Getsum2
Getsum3
IncreaseSalaryByPeri

145 • SELECT Customer_name FROM Customer WHERE Reg_date < '2022-01-01' AND
146 Customer_Id NOT IN(SELECT Issued_cust FROM IssueStatus) ;
147
148 #7.Display the branch numbers and the total count of employees in each branch.
149 • SELECT Branch_no,COUNT(Emp_Id) FROM Employee GROUP BY Branch_no ;

Result Grid

	Branch_no	COUNT(Emp_Id)
▶	1	6
	2	3
	3	2
	4	3

Administration Schemas

Information

No object selected

Result 22 x

Output

Action Output

#	Time	Action	Message	Duration / Fe
✓ 36	16:53:54	SELECT IssueStatus.Issued_book_name,Customer.Customer_name FROM IssueStatus INN...	5 row(s) returned	0.000 sec /
✗ 37	16:58:20	SELECT Category,COUNT(Book_title) FROM Books GROUP BY Category LIMIT 0, 5000	Error Code: 1054. Unknown column 'Book_title' in field list'	0.000 sec
✓ 38	16:59:05	SELECT Category,COUNT(Book_title) FROM Books GROUP BY Category LIMIT 0, 5000	3 row(s) returned	0.000 sec /
✓ 39	17:05:51	SELECT Emp_name,Position FROM Employee WHERE Salary > 50000 LIMIT 0, 5000	7 row(s) returned	0.000 sec /
✓ 40	17:15:13	SELECT Customer_name FROM Customer WHERE Reg_date < '2022-01-01' AND Custom...	2 row(s) returned	0.016 sec /
✓ 41	20:34:58	SELECT Branch_no,COUNT(Emp_Id) FROM Employee GROUP BY Branch_no LIMIT 0, 5000	4 row(s) returned	0.047 sec /

Object Info Session

Query Completed

8. DISPLAY THE NAMES OF CUSTOMERS WHO HAVE ISSUED BOOKS IN THE MONTH OF JUNE 2023

MySQL Workbench

Local instance MySQL80 (libr... x

File Edit View Query Database Server Tools Scripting Help

Navigator: Project Library Management Sys...

SCHEMAS

Filter objects

d36_db_2

entri_dsm1_d36

Tables

Views

Stored Procedures

add_workor

AddNumbers

AddNumbers2

AverageSalaryOfWor

GetAverageSalaryBy

GetEmployeeCountA

GetSalarybyID

Getsum

Getsum2

Getsum3

IncreaseSalaryByPen

Administration Schemas

Information

No object selected

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Customer_name

Linz Turner

Result 23 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 38	16:59:05	SELECT Category,COUNT(Book_title) FROM Books GROUP BY Category LIMIT 0, 5000	3 row(s) returned	0.000 sec / 0.00
✓ 39	17:05:51	SELECT Emp_name,Position FROM Employee WHERE Salary > 50000 LIMIT 0, 5000	7 row(s) returned	0.000 sec / 0.00
✓ 40	17:15:13	SELECT Customer_name FROM Customer WHERE Reg_date < '2022-01-01' AND Custom...	2 row(s) returned	0.016 sec / 0.00
✓ 41	20:34:58	SELECT Branch_no,COUNT(Emp_id) FROM Employee GROUP BY Branch_no LIMIT 0, 5000	4 row(s) returned	0.047 sec / 0.00
✗ 42	21:33:11	SELECT Customer.Customer_name FROM Customer INNER JOIN IssueStatus ON Customer...	Error Code: 1054. Unknown column 'Customer' in 'on clause'	0.016 sec
✓ 43	21:33:54	SELECT Customer.Customer_name FROM Customer INNER JOIN IssueStatus ON Customer...	1 row(s) returned	0.016 sec / 0.00

Object Info Session

Query Completed

9. RETRIEVE BOOK TITLE FROM BOOK TABLE CONTAINING HISTORY

MySQL Workbench

Local instance MySQL80 (libr... x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

d36_db_2

entri_dsml_d36

Tables

Views

Stored Procedures

add_worker

AddNumbers

AddNumbers2

AverageSalaryOfWor

GetAverageSalaryBy

GetEmployeeCountA

GetSalarybyID

Getsum

Getsum2

Getsum3

IncreaseSalaryByPer

Administration Schemas

Information

No object selected

Project Library Management Sys... x

Limit to 5000 rows

```
153 Customer.Customer_Id = IssueStatus.Issued_cust WHERE IssueStatus.Issue_date >= '2023-06-01'
154 AND IssueStatus.Issue_date <= '2023-06-30';
155
156 #9.Retrieve book title from book table containing History.
157 • SELECT Book_title FROM Books WHERE Category = 'History';
```

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Book_title
The Guns of August
Plagues and Peoples
A Study Of History
The Diary of a Young Girl

Books 24 x

Output

Action Output

#	Time	Action	Message	Duration /
✓ 39	17:05:51	SELECT Emp_name,Position FROM Employee WHERE Salary > 50000 LIMIT 0, 5000	7 row(s) returned	0.000 sec
✓ 40	17:15:13	SELECT Customer_name FROM Customer WHERE Reg_date < '2022-01-01' AND Custom...	2 row(s) returned	0.016 sec
✓ 41	20:34:58	SELECT Branch_no,COUNT(Emp_Id) FROM Employee GROUP BY Branch_no LIMIT 0, 5000	4 row(s) returned	0.047 sec
✗ 42	21:33:11	SELECT Customer.Customer_name FROM Customer INNER JOIN IssueStatus ON Customer...	Error Code: 1054. Unknown column 'Customer' in 'on clause'	0.016 sec
✓ 43	21:33:54	SELECT Customer.Customer_name FROM Customer INNER JOIN IssueStatus ON Customer...	1 row(s) returned	0.016 sec
✓ 44	21:39:51	SELECT Book_title FROM Books WHERE Category = 'History' LIMIT 0, 5000	4 row(s) returned	0.016 sec

Object Info Session

Query Completed

10. RETRIEVE THE BRANCH NUMBERS ALONG WITH THE COUNT OF EMPLOYEES FOR BRANCHES HAVING MORE THAN 5 EMPLOYEES

MySQL Workbench

Local instance MySQL80 (libr... x

File Edit View Query Database Server Tools Scripting Help

Navigator: Project Library Management Sys... x

Limit to 5000 rows

SCHEMAS

Filter objects

d36_db_2

entri_dsml_d36

Tables

Views

Stored Procedures

add_worker

AddNumbers

AddNumbers2

AverageSalaryOfWor

GetAverageSalaryBy

GetEmployeeCountA

GetSalarybyID

Getsum

Getsum2

Getsum3

IncreaseSalaryByPeri

Administration Schemas

Information

No object selected

Result Grid

Branch_no	COUNT(Emp_Id)
1	6

Result 25 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 40	17:15:13	SELECT Customer_name FROM Customer WHERE Reg_date < '2022-01-01' AND Custom...	2 row(s) returned	0.016 sec / 0.00
✓ 41	20:34:58	SELECT Branch_no,COUNT(Emp_Id) FROM Employee GROUP BY Branch_no LIMIT 0, 5000	4 row(s) returned	0.047 sec / 0.00
✗ 42	21:33:11	SELECT Customer.Customer_name FROM Customer INNER JOIN IssueStatus ON Customer...	Error Code: 1054. Unknown column 'Customer' in 'on clause'	0.016 sec
✓ 43	21:33:54	SELECT Customer.Customer_name FROM Customer INNER JOIN IssueStatus ON Customer...	1 row(s) returned	0.016 sec / 0.00
✓ 44	21:39:51	SELECT Book_title FROM Books WHERE Category = 'History' LIMIT 0, 5000	4 row(s) returned	0.016 sec / 0.00
✓ 45	21:54:37	SELECT Branch_no,COUNT(Emp_Id) FROM Employee GROUP BY Branch_no	... 1 row(s) returned	0.015 sec / 0.00

Query Completed

11. RETRIEVE THE NAMES OF EMPLOYEES WHO MANAGE BRANCHES AND THEIR RESPECTIVE ADDRESSES

MySQL Workbench

Local instance MySQL80 (libr... x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

d36_db_2

entri_dsm1_d36

Tables

Views

Stored Procedures

add_worker

AddNumbers

AddNumbers2

AverageSalaryOfWor

GetAverageSalaryBy

GetEmployeeCountA

GetSalarybyID

Getsum

Getsum2

Getsum3

IncreaseSalaryByPer

Administration Schemas

Information

No object selected

Project Library Management Sys... x

Limit to 5000 rows

164

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

166

167 • `SELECT Branch.Branch_address,Employee.Emp_name,Position = 'Manager' FROM Branch`

168 `INNER JOIN Employee ON Branch.Branch_no = Employee.Branch_no ;`

Result Grid

	Branch_address	Emp_name	Position = 'Manager'
▶	001 Main St	John Bob	1
	001 Main St	Emy Linz	0
	001 Main St	Sara John	0
	001 Main St	Mike Turner	0
	001 Main St	Emil Joe	0
	001 Main St	Daniel Spencer	0
	002 Out St	Christopher	1

Result 26 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 41	20:34:58	SELECT Branch_no,COUNT(Emp_Id) FROM Employee GROUP BY Branch_no LIMIT 0, 5000	4 row(s) returned	0.047 sec / 0.000
✗ 42	21:33:11	SELECT Customer.Customer_name FROM Customer INNER JOIN IssueStatus ON Customer...	Error Code: 1054. Unknown column 'Customer' in 'on clause'	0.016 sec
✓ 43	21:33:54	SELECT Customer.Customer_name FROM Customer INNER JOIN IssueStatus ON Customer...	1 row(s) returned	0.016 sec / 0.000
✓ 44	21:39:51	SELECT Book_title FROM Books WHERE Category = 'History' LIMIT 0, 5000	4 row(s) returned	0.016 sec / 0.000
✓ 45	21:54:37	SELECT Branch_no,COUNT(Emp_Id) FROM Employee GROUP BY Branch_no	1 row(s) returned	0.015 sec / 0.000
✓ 46	22:39:17	SELECT Branch.Branch_address,Employee.Emp_name,Position = 'Manager' FROM Branch ...	14 row(s) returned	0.016 sec / 0.000

Object Info Session

Query Completed

12. DISPLAY THE NAMES OF CUSTOMERS WHO HAVE ISSUED BOOKS WITH A RENTAL PRICE HIGHER THAN RS.25

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator: Project Library Management Sys...

SCHEMAS

Filter objects

- d36_db_2
 - entri_dsml_d36
 - Tables
 - Views
 - Stored Procedures
 - Functions
 - library
 - Tables
 - Views
 - Stored Procedures
 - Functions
 - product
 - sales
- Administration
- Schemas

No object selected

Limit to 5000 rows

```
169
170 #12.Display the names of customers who have issued books with a rental price
171 #higher than Rs25.
172 • SELECT IssueStatus.Issued_book_name, Customer.Customer_name FROM IssueStatus
173 INNER JOIN Customer ON IssueStatus.Issued_cust = Customer.Customer_Id
174 INNER JOIN Books ON IssueStatus.Isbn_book = Books.ISBN WHERE Books.Rental_price > 25 ;
```

Result Grid

	Issued_book_name	Customer_name
▶	The Guns of August	Hazel Joe
	The Diary of a Young Girl	Linz Turner
	The Silent Patient	Henry Anderson

Result 1 x

Output

Action Output

#	Time	Action	Message	Duration / F
✓ 1	00:22:51	USE LIBRARY	0 row(s) affected	0.000 sec
✓ 2	00:23:33	SELECT IssueStatus.Issued_book_name, Customer.Customer_name FROM IssueStatus INNE...	3 row(s) returned	0.031 sec / C