



Final Assignment

Problem Statement:

Description:

1. Create a table called Cars with the following fields:
S_no varchar (6)
Name varchar (15)
Model varchar (15)
Year varchar (15)
Price varchar (20).
Category_categoryId INT;
Store_storeId INT;
2. Create a table called category with the following fields:
categoryId INT;
Name varchar(20);
Discription varchar(20);
3. Create a table called store with the following fields:
storeId INT;
Name varchar(20);
City varchar(20);
4. Insert the 5 records to all the tables and assign primary key for the tables.
Done
5. Display the all the records from the car table.



MySQL Workbench

Local instance MySQL80 x Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

cars

Tables

cars

Columns

Indexes

Foreign Keys

Triggers

category

Columns

Indexes

Foreign Keys

Triggers

store

Columns

storeId

Name

City

Indexes

Foreign Keys

Administration Schemas

Information

Table: cars

Columns:

S_no

Name

Model

Year

Price

store_storeId

category_categoryId

Object Info Session

Query 1

Limit to 1000 rows

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

```
1 SELECT 'store'.storeId,
2 'store'.Name,
3 'store'.City
4 FROM 'cars'.store;
```

Result Grid

storeId	Name	City
1	SRS	Hassan
2	JSR	Bangalore

store 10 x

Apply Revert Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
19	01:05:04	SELECT 'cars'.S_no, 'cars'.Name, 'cars'.Model, 'cars'.Year, 'cars'.Price, ...	5 row(s) returned	0.000 sec / 0.000 sec
20	01:05:05	SELECT 'category'.categoryId, 'category'.Name, 'category'.Description FROM 'car...	2 row(s) returned	0.000 sec / 0.000 sec
21	01:05:05	SELECT 'store'.storeId, 'store'.Name, 'store'.City FROM 'cars'.store LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
22	01:05:20	SELECT 'store'.storeId, 'store'.Name, 'store'.City FROM 'cars'.store LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec

Ready

MySQL Workbench

Local instance MySQL80 x Local instance MySQL80 x

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Filter objects

cars

Tables

cars

Columns

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Foreign Keys

Triggers

category

Columns

Indexes

Foreign Keys

Triggers

store

Columns

storeId

Name

City

Indexes

Foreign Keys

Administration Schemas

Information

Table: category

Columns:

categoryId int PK

Name varchar(20)

Description varchar(20)

Object Info Session

Query 1

Limit to 1000 rows

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

```
1 SELECT 'category'.categoryId,
2 'category'.Name,
3 'category'.Description
4 FROM 'cars'.category;
```

Result Grid

categoryId	Name	Description
1	Sedan	sedan cars
2	Sports	Sports cars

category 11 x

Apply Revert Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
24	01:07:30	select * from category LIMIT 0, 1000	Error Code: 1046. No database selected Select the default DB to be used by double-clicking ...	0.016 sec
25	01:07:31	select * from category LIMIT 0, 1000	Error Code: 1046. No database selected Select the default DB to be used by double-clicking ...	0.000 sec
26	01:07:32	select * from category LIMIT 0, 1000	Error Code: 1046. No database selected Select the default DB to be used by double-clicking ...	0.000 sec
27	01:07:44	SELECT 'category'.categoryId, 'category'.Name, 'category'.Description FROM 'car...	2 row(s) returned	0.000 sec / 0.000 sec

Query Completed

The screenshot shows the MySQL Workbench interface. The 'Query' tab is active, displaying a SQL query that selects columns from the 'cars' table. The 'Result Grid' shows the output of the query, which includes columns: S_no, Name, Model, Year, Price, store_storeId, and category_categoryId. The results are as follows:

S_no	Name	Model	Year	Price	store_storeId	category_categoryId
1	Ferrari	3500 spider	2014	130000	1	2
2	BMW	1 Series	2013	129999	2	1
3	Mercedes-Benz	300 CE	1992	123333	1	1
4	Nissan	200SX	1998	40000	2	1
5	Jaguar	F-Type	2013	600000	2	2

The 'Output' tab shows the execution log with the following actions:

- 25 01:07:31 select * from category LIMIT 0, 1000
- 26 01:07:32 select * from category LIMIT 0, 1000
- 27 01:07:44 SELECT 'category','categoryId', 'category','Name', 'category','Description' FROM 'car...
- 28 01:08:18 SELECT 'cars','S_no', 'cars','Name', 'cars','Model', 'cars','Year', 'cars','Price', ... 5 row(s) returned

6. Perform one-to-one relationship for any columns of cars and category tables.
Done
7. Perform one-to-many relationship for any of your choice columns in the above table.
Done

