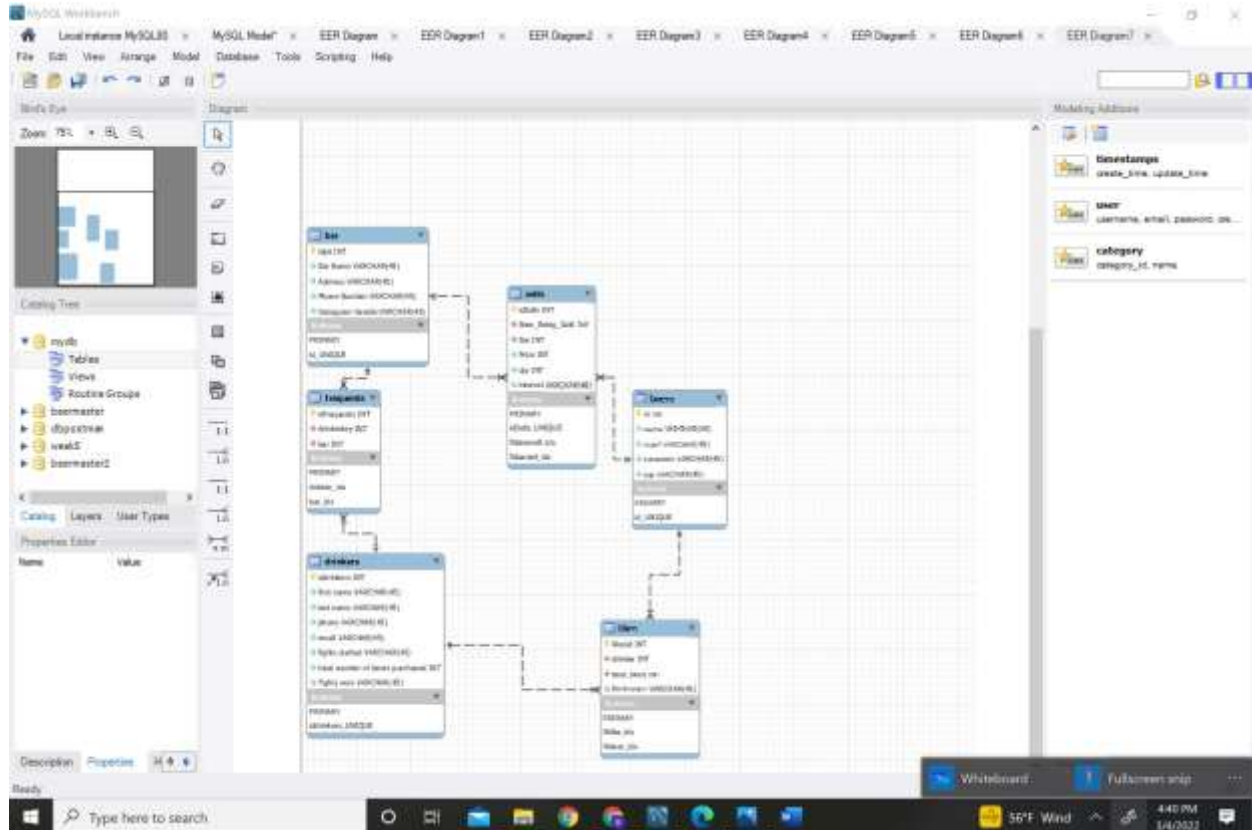
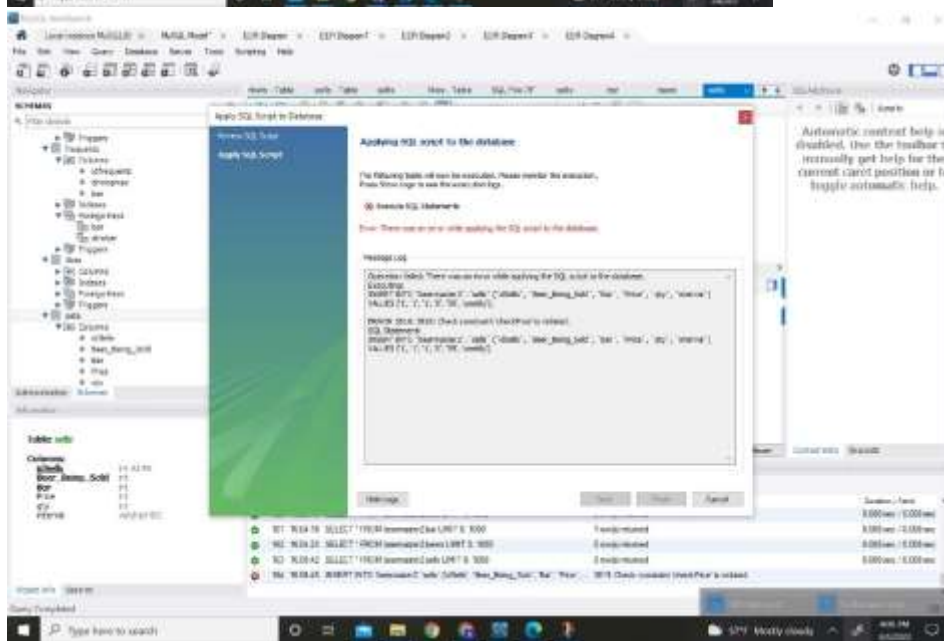
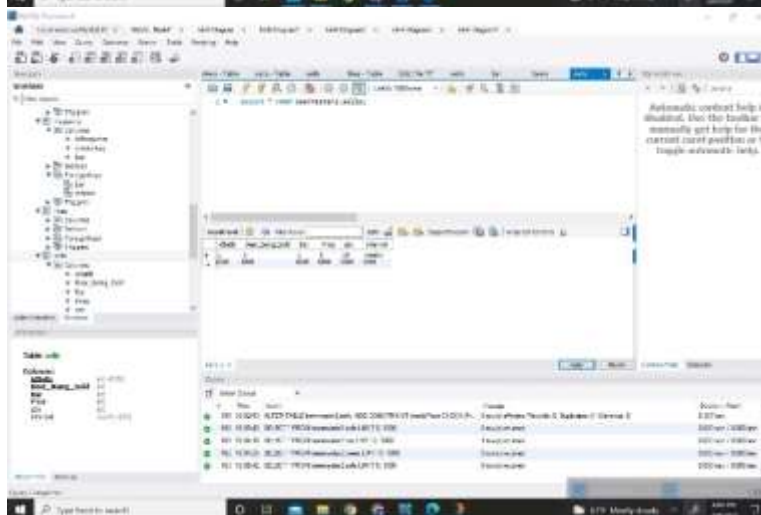
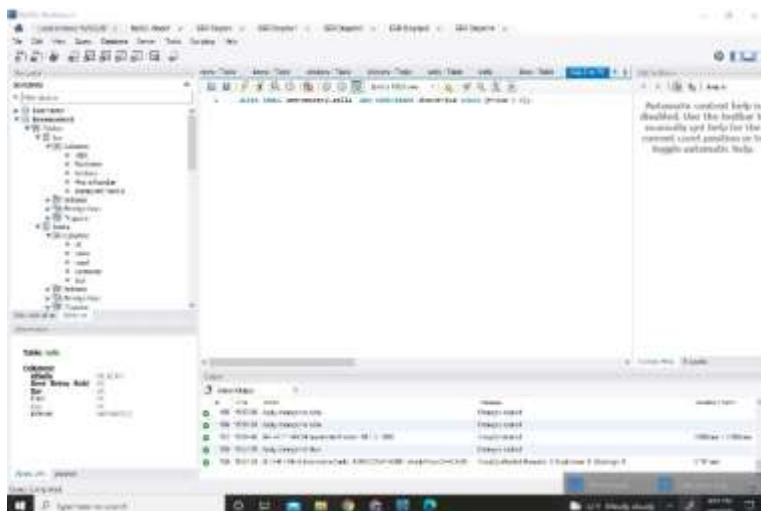


Beermaster Constraints

Reverse Engineering





Bad Foreign Key Test

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Schemas

beer-master2

Tables

Columns

Columns: idfrequent, drinkerkey, bar, Times Freqeuented

Table: frequent

Columns: idfrequent, drinkerkey, bar, Times Freqeuented

Query: SELECT * FROM beer-master2.frequent

Results

idfrequent	drinkerkey	bar	Times Freqeuented
1	1	1	75
2	5	3	4

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

Apply

Output

Action Output

Time: 17:07:40 Action: Apply changes to frequent

Message: Changes applied

Duration / Fetch: 0.000 sec / 0.000 sec

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Schemas

beer-master2

Tables

Columns

Columns: idfrequent, drinkerkey, bar, Times Freqeuented

Table: frequent

Columns: idfrequent, drinkerkey, bar, Times Freqeuented

Query: SELECT * FROM beer-master2.frequent

Results

idfrequent	drinkerkey	bar	Times Freqeuented
1	1	1	75
2	5	3	4

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

Apply SQL script to Database

Apply SQL script

Applying SQL script to the database

The following table will now be executed. Please monitor the execution. Press Show Logs to see the execution logs.

Execute SQL Statements

Error: There was an error while applying the SQL script to the database.

Message Log

Operation failed: There was an error while applying the SQL script to the database.

Executing: INSERT INTO 'beer-master2.frequent' ('idfrequent', 'drinkerkey', 'bar', 'Times Freqeuented') VALUES (2, 5, 3, 4);

ERROR [HY000]: Cannot add or update a child row: a foreign key constraint fails ('beer-master2.frequent', CONSTRAINT FOREIGN KEY (drinkerkey) REFERENCES drinkers (idrinkers))

SQL Statement: INSERT INTO 'beer-master2.frequent' ('idfrequent', 'drinkerkey', 'bar', 'Times Freqeuented') VALUES (2, 5, 3, 4);

Hide Logs

Apply

Output

Action Output

Time: 17:07:55 Action: SELECT * FROM beer-master2.frequent LIMIT 0, 1000

Message: 1 row(s) returned

Duration / Fetch: 0.000 sec / 0.000 sec

Bar

The screenshot shows the MySQL Workbench interface. On the left, the 'SCHEMAS' pane displays a tree view of the database structure, including 'beer' and 'beers' tables. The 'bar' table is selected. The 'Table: bar' section shows the following columns:

Column	DataType
idpk	INT
Bar Name	VARCHAR(45)
Address	VARCHAR(45)
Phone Number	VARCHAR(45)
Instagram handle	VARCHAR(45)

The 'SQL' pane shows a query: `SELECT * FROM beermaster2.bar;`. The 'Results' pane displays the following data:

idpk	Bar Name	Address	Phone Number	Instagram handle
1	Her's Beer	1 Main Street	800-000-0000	@drinknumber
2	No Where	1st	666	@youfSomethingsomething

The 'Status' bar at the bottom shows the query execution details: 25 rows returned, 0.000 sec / 0.000 sec.

The screenshot shows the MySQL Workbench interface. On the left, the 'SCHEMAS' pane displays a tree view of the database structure, including 'beer' and 'beers' tables. The 'bar' table is selected. The 'Table: bar' section shows the following columns:

Column	DataType
idpk	INT
Bar Name	VARCHAR(45)
Address	VARCHAR(45)
Phone Number	VARCHAR(45)
Instagram handle	VARCHAR(45)

The 'SQL' pane shows a query: `SELECT * FROM beermaster2.bar;`. The 'Results' pane displays the following data:

idpk	Bar Name	Address	Phone Number	Instagram handle
1	Her's Beer	1 Main Street	800-000-0000	@drinknumber
2	No Where	1st	666	@youfSomethingsomething

The 'Status' bar at the bottom shows the query execution details: 25 rows returned, 0.000 sec / 0.000 sec.

Beers

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with 'beermaster2' expanded, showing tables like 'bar', 'beers', 'drinks', 'frequent', 'likes', 'sales', 'views', 'stored_procedures', and 'functions'. The 'beers' table is selected. The main query editor shows the query: `SELECT * FROM beermaster2.beers;`. The results pane displays two rows of data:

#	name	manf	container	top
1	Kevin's Killer Cooled	Red Men	Can	Can top
2	Beer	No one	Can	Cap

The bottom status bar shows the query execution details: Time: 26 16:59:26, Action: SELECT * FROM beermaster2.beers LIMIT 0, 1000, Message: 2 rows returned, Duration / Fetch: 0.000 sec / 0.000 sec. The Windows taskbar at the bottom shows the system clock as 1:00 PM on 5/4/2022.

MySQL Workbench

Local instance MySQL5

File Edit View Query Database Server Tools Scripting Help

Navigation

Schemas

- beer
- beermaster2
 - Tables
 - beer
 - beers
 - beers2
 - beers3
 - beers4
 - beers5
 - beers6
 - beers7
 - beers8
 - beers9
 - beers10
 - beers11
 - beers12
 - beers13
 - beers14
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 - beers98
 - beers99
 - beers100

Table: beers

Columns:

Column Name	Datatype	PK	UN	UNQ	S	UN	UNQ	AI	S	Default/Expression
id	INT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
name	VARCHAR(45)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Test
name2	VARCHAR(45)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No one
name3	VARCHAR(45)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Car
top	VARCHAR(45)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cap

Column Name: Data Type: Default: Storage: ☐ InnoDB ☐ MyISAM ☐ Primary Key ☐ Not Null ☐ Unique ☐ Binary ☐ Unsigned ☐ Zero Fill ☐ Auto Increment ☐ Generated

Columns Indexes ForeignKeys Triggers Partitioning Options

Output

Action Output

Time	Action	Message	Duration / Fetch
26 16:59:24	SELECT * FROM beermaster2.beers LIMIT 6, 1000	2 rows returned	0.000 sec / 0.000 sec

56°F Cloudy 1:00 PM 5/4/2012

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

Drinkers

The screenshot displays the MySQL Workbench interface. On the left, the 'SCHEMAS' pane shows the 'beermaster2' database selected, with the 'drinkers' table highlighted. Below this, the 'Table: drinkers' structure is shown with columns: id (INT), first_name (VARCHAR(45)), last_name (VARCHAR(45)), phone (VARCHAR(45)), email (VARCHAR(45)), fights_started (INT), total_number_of_beers_purchased (INT), and fights_won (VARCHAR(45)).

The central SQL editor contains the query: `SELECT * FROM beermaster2.drinkers;`. The results pane below the editor shows two rows of data:

	id	first_name	last_name	phone	email	fights_started	total_number_of_beers_purchased	fights_won
1	1	Jack	Cox	7	tc@psail.com	1	70	0
2	2	John	Smith	N/A	N/A	0	1	0

The bottom status bar indicates the query was executed at 17:00:46, returning 2 rows in 0.000 seconds.

Frequents

The screenshot shows the MySQL Workbench interface. On the left, the 'SCHEMAS' pane displays the database structure, including the 'Frequents' table. The 'Table: frequents' section lists the columns: idfrequents (int(4) PK), drinkerkey (int), bar (int), and Times Requested (int). The main SQL editor displays the query: `SELECT * FROM beermaster2.frequents`. Below the query, the 'Result Grid' shows the data for the 'Frequents' table. The table has 4 columns: idfrequents, drinkerkey, bar, and Times Requested. The data is as follows:

idfrequents	drinkerkey	bar	Times Requested
1	1	1	75
2028	2028	2028	2028

At the bottom, the 'Action Output' pane shows a message: 'Apply changes to frequents' with a duration of 0.00 seconds. The status bar at the bottom indicates 'Changes applied'.

Likes

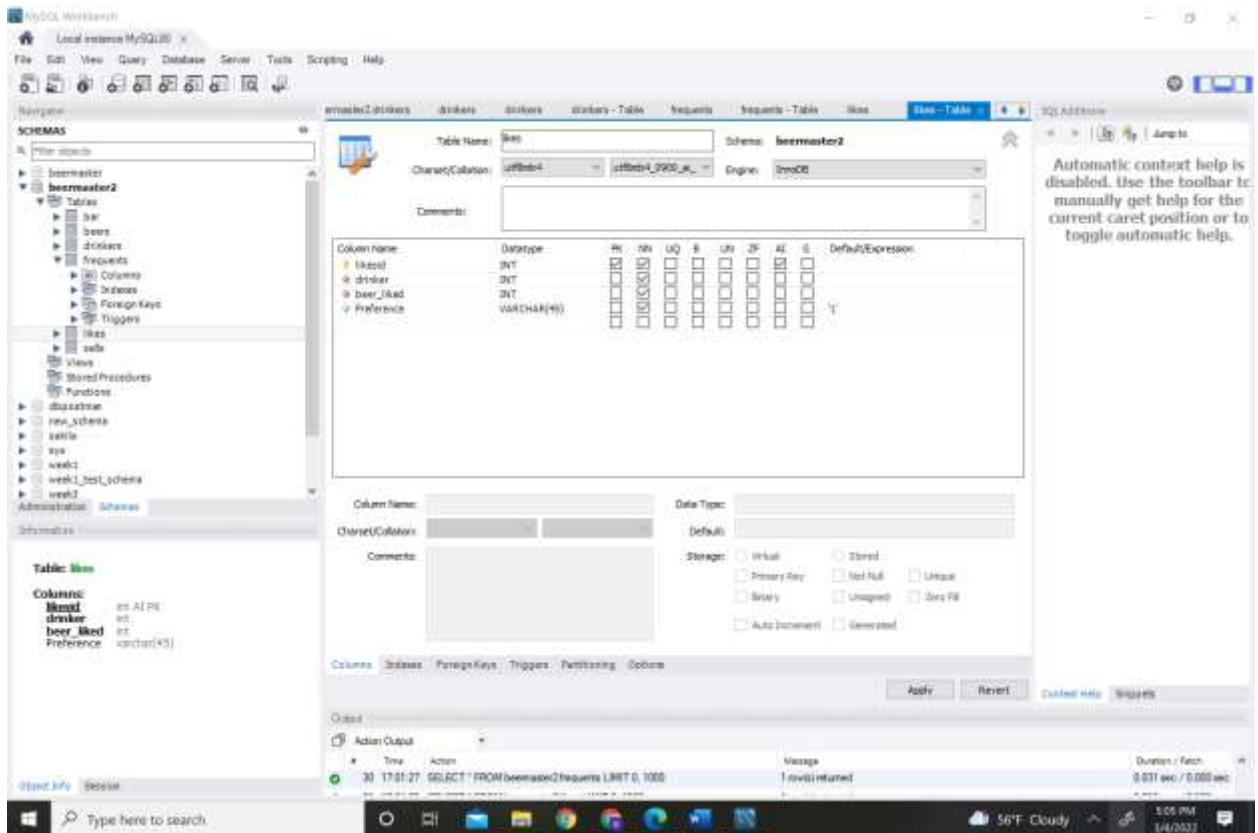
The screenshot shows the MySQL Workbench interface. On the left, the 'SCHEMAS' pane displays a tree view of the database structure, including 'beermaster2' and its tables. The 'likes' table is selected. The main query editor shows the SQL query: `SELECT * FROM beermaster2.likes;`. The results pane at the bottom displays the data from the 'likes' table, which has columns: 'beer_id', 'driver', 'beer_like', and 'Preference'. The results show one row with values: 1, 1, 1, 1.

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

beer_id	driver	beer_like	Preference
1	1	1	1

Table: likes
Columns:
beer_id int
driver int
beer_like int
Preference varchar(45)

Query: SELECT * FROM beermaster2.likes LIMIT 5, 1000
Duration: 0.016 sec / 0.000 sec
Rows: 1 row(s) returned



Sells

The screenshot displays the MySQL Workbench interface. On the left, the 'SCHEMAS' pane shows the 'beermeister2' database selected, with the 'sells' table highlighted under the 'Tables' category. The 'Table: sells' information pane shows the following columns:

Column	MySQL Type
idSells	INT (3) PK
Beer_Being_Sold	INT
Bar	INT
Price	INT
Qty	INT
Interval	VARCHAR(45)

The central SQL editor contains the query: `SELECT * FROM beermeister2.sells;`. Below the editor, the 'Results' pane shows a single row of data:

idSells	Beer_Being_Sold	Bar	Price	Qty	Interval
1	1	1	5	39	weekly

The bottom status bar indicates the query was executed at 17:55:36, returning 1 row(s) in 0.000 sec. The Windows taskbar at the bottom shows the system clock as 5:06 PM on 5/4/2023.

Data Backup

The screenshot displays the MySQL Workbench interface during a Data Export operation. The 'Schemas' pane on the left shows the 'beersmaster2' database with the 'frequent' table selected. The 'Data Export' dialog is open, showing the 'Export Completed' status. The 'Log' tab displays the execution of the mysqldump command for the 'frequent' table. The 'Action Output' pane at the bottom shows the SQL command: `SELECT * FROM beersmaster2.frequent LIMIT 0, 1000`.

Table: frequent

Columns:	dt: A) PK
idfrequent	int
drinkkey	int
bar	int
Times Frequent	int

Log:

```
17:13:21 Dumping beersmaster2 (bar)
Running: mysqldump.exe -defaults-file="C:\Users\jpet\AppData\Local\Temp\mysqldump_546e.cnf" --host=localhost --port=3306 --default-character-set=utf8 --user=root --protocol=tcp --skip-triggers 'beersmaster2' "bar"
17:13:22 Dumping beersmaster2 (beers)
Running: mysqldump.exe -defaults-file="C:\Users\jpet\AppData\Local\Temp\mysqldump_546e.cnf" --host=localhost --port=3306 --default-character-set=utf8 --user=root --protocol=tcp --skip-triggers 'beersmaster2' "beers"
17:13:22 Dumping beersmaster2 (frequent)
Running: mysqldump.exe -defaults-file="C:\Users\jpet\AppData\Local\Temp\mysqldump_546e.cnf" --host=localhost --port=3306 --default-character-set=utf8 --user=root --protocol=tcp --skip-triggers 'beersmaster2' "frequent"
17:13:22 Dumping beersmaster2 (sells)
Running: mysqldump.exe -defaults-file="C:\Users\jpet\AppData\Local\Temp\mysqldump_546e.cnf" --host=localhost --port=3306 --default-character-set=utf8 --user=root --protocol=tcp --skip-triggers 'beersmaster2' "sells"
17:13:22 Dumping beersmaster2 (sellers)
Running: mysqldump.exe -defaults-file="C:\Users\jpet\AppData\Local\Temp\mysqldump_546e.cnf" --host=localhost --port=3306 --default-character-set=utf8 --user=root --protocol=tcp --skip-triggers 'beersmaster2' "sellers"
17:13:23 Export of C:\Users\jpet\Documents\dump\Dump20230914 has finished
```

Action Output:

Time	Action	Message	Duration / Each
39 17:07:55	SELECT * FROM beersmaster2.frequent LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec