LAB1*   database - Schema ×

Name: database

Rename References

Specify the name of the schema here. You can use any combi

Refactor model, changing all references found in view, triggers, stor

Charset/Collation: Default Charset ∨   Default Collatio ∨   The character set and its collation selected here will be used wh

Apply SQL Script to Database

Review SQL Script

Apply SQL Script

Review the SQL Script to be Applied on the Database

Online DDL

Algorithm: Default ∨   Lock Type: Default

```
1      CREATE SCHEMA `database` ;
2
```

			LAB1*	database - Schema	books - Table ✕	

Table Name: books **Schema:** database

Charset/Collation: Default Charset ∨ Default Collation ∨ **Engine:** InnoDB

Comments:

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Exp
◇ id	INT	☐	☑	☑	☐	☐	☐	☑	☐	
🔑 author_id	VARCHAR(45)	☑	☑	☐	☐	☐	☐	☐	☐	
🔑 genre_id	VARCHAR(45)	☑	☑	☐	☐	☐	☐	☐	☐	
◇ pages	INT	☐	☑	☐	☐	☐	☐	☐	☐	
◇ ISBN	VARCHAR(45)	☐	☑	☐	☐	☐	☐	☐	☐	
◇ time	DOUBLE	☐	☑	☐	☐	☐	☐	☐	☐	
		☐	☐	☐	☐	☐	☐	☐	☐	

Column Name: pages **Data Type:** INT

Charset/Collation: Default Charset ∨ Default Collation ∨ **Default:**

Comments: number of pages that the book consists of

Storage: ○ Virtual   ○ Stored

☐ Primary Key   ☑ Not Null

☐ Binary   ☐ Unsigned

Apply SQL Script to Database

Review SQL Script

Apply SQL Script

Review the SQL Script to be Applied on the Database

Online DDL

Algorithm: Default ∨   **Lock Type:** Default

```sql
1  ⊖  CREATE TABLE `database`.`books` (
2       `id` INT NOT NULL AUTO_INCREMENT,
3       `author_id` VARCHAR(45) NOT NULL,
4       `genre_id` VARCHAR(45) NOT NULL,
5       `pages` INT NOT NULL COMMENT 'number of pages that t
6       `ISBN` VARCHAR(45) NOT NULL COMMENT 'ISBN number
7       `time` DOUBLE NOT NULL COMMENT 'time of reading the
8       UNIQUE INDEX `id_UNIQUE` (`id` ASC) VISIBLE,
9       PRIMARY KEY (`author_id`, `genre_id`));
10
```

Apply SQL Script to Database

Review SQL Script

Apply SQL Script

Review the SQL Script to be Applied on the Database

Online DDL
Algorithm: Default ▼   Lock Type: Default

```
1    ALTER TABLE `database`.`books`
2    ADD COLUMN `language` VARCHAR(45) NOT NULL AFTER `
3
```

LAB1*	database - Schema	books - Table	genres - Table ×

Table Name: genres   Schema: **database**

Charset/Collation: Default Charset ▼ Default Collation ▼   Engine: InnoDB

Comments:

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Exp
🔑 id	INT	☑	☑	☑	☐	☐	☐	☑	☐	
◇ name	VARCHAR(45)	☐	☑	☑	☐	☐	☐	☐	☐	
◇ age	INT	☐	☑	☐	☐	☐	☐	☐	☐	
		☐	☐	☐	☐	☐	☐	☐	☐	

Column Name: age   Data Type: VARCHAR(45)

Charset/Collation: Default Charset ▼ Default Collation ▼   Default:

Comments: minimum age of a reader   Storage: ○ Virtual   ○ Stored
                                                    ☐ Primary Key   ☑ Not Null
                                                    ☐ Binary   ☐ Unsigned

Apply SQL Script to Database

Review SQL Script

Apply SQL Script

Review the SQL Script to be Applied on the Database

Online DDL

Algorithm: Default   Lock Type: Default

```
1  ⊖  CREATE TABLE `database`.`genres` (
2        `id` INT NOT NULL AUTO_INCREMENT,
3        `name` VARCHAR(45) NOT NULL,
4        `age` INT NOT NULL COMMENT 'minimum age of a reader
5        PRIMARY KEY (`id`),
6        UNIQUE INDEX `id_UNIQUE` (`id` ASC) VISIBLE,
7        UNIQUE INDEX `name_UNIQUE` (`name` ASC) VISIBLE)
8
```

LAB1*   author - Table ×

Table Name: author   Schema: database
Charset/Collation: utf8mb4   utf8mb4_0900_ai_ci   Engine: InnoDB

Comments:

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
⚷ id	INT	☑	☑	☑	☐	☐	☐	☑	☐	
◇ name	VARCHAR(45)	☐	☑	☐	☐	☐	☐	☐	☐	
◇ surname	VARCHAR(45)	☐	☑	☐	☐	☐	☐	☐	☐	
◇ country	VARCHAR(45)	☐	☑	☐	☐	☐	☐	☐	☐	
		☐	☐	☐	☐	☐	☐	☐	☐	

Column Name: country   Data Type: VARCHAR(45)
Charset/Collation: Default Charset   Default Collation   Default:
Comments: Storage: ○ Virtual   ○ Stored
                                                        ☐ Primary Key ☑ Not Null ☐ Unique
                                                        ☐ Binary   ☐ Unsigned ☐ Zero Fill
                                                        ☐ Auto Increment ☐ Generated

Columns Indexes Foreign Keys Triggers Partitioning Options

Apply   Revert

Apply SQL Script to Database

Review SQL Script

Apply SQL Script

Review the SQL Script to be Applied on the Database

Online DDL

Algorithm: `Default` ⌄   Lock Type: `Default`

```
1   ⊖  CREATE TABLE `database`.`author` (
2         `id` INT NOT NULL AUTO_INCREMENT,
3         `name` VARCHAR(45) NOT NULL,
4         `surname` VARCHAR(45) NOT NULL,
5         `country` VARCHAR(45) NOT NULL,
6         PRIMARY KEY (`id`),
7         UNIQUE INDEX `id_UNIQUE` (`id` ASC) VISIBLE);
8
```

database* ✕

desc books;

Result Grid | Filter Rows: | Export: | W

Field	Type	Null	Key	Default	Extra
id	int	NO	UNI	NULL	auto_increm
author_id	varchar(45)	NO	PRI	NULL	
genre_id	varchar(45)	NO	PRI	NULL	

database* ✕

```
1    desc authors;
```

Limit to 1000 rows

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

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
name	varchar(45)	NO		NULL	
surname	varchar(45)	NO		NULL	

database* ✕

```
1    desc genres;
```

Limit to 1000 rows

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

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
name	varchar(45)	NO	UNI	NULL	

database
MySQL Schema

Tables (0 items)

⚙ Add Table

Views (0 items)

Table Name: books   Schema: **database**

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
◇ id	INT	☐	☑	☑	☐	☐	☐	☑	☐	
🔑 author_id	VARCHAR(45)	☑	☑	☐	☐	☐	☐	☐	☐	
🔑 genera_id	VARCHAR(45)	☑	☑	☐	☐	☐	☐	☐	☐	
◇ pages	INT	☐	☑	☐	☐	☐	☐	☐	☐	

Column Name: ISBN   Data Type: VARCHAR(45)

Charset/Collation: Default Charset   Default Collation   Default:

Comments: ISBN number   Storage: ○ Virtual

☐ Primary Key

Table Name: books   Schema: **database**

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
◇ pages	INT	☐	☑	☐	☐	☐	☐	☐	☐	
◇ ISBN	VARCHAR(45)	☐	☑	☐	☐	☐	☐	☐	☐	
◇ time	DOUBLE	☐	☑	☐	☐	☐	☐	☐	☐	

Column Name: ISBN   Data Type: VARCHAR(45)

Charset/Collation: Default Charset   Default Collation   Default:

Comments: ISBN number   Storage: ○ Virtual

☐ Primary Key

☐ Binary

---

database
MySQL Schema

Tables (2 items)

⚙ Add Table   📘 books   📘 genres

Views (0 items)

⚙ Add View

database - Schema   genres - Table ✕

Table Name: genres   Schema: **database**

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
🔑 id	INT	☑	☑	☑	☐	☐	☐	☑	☐	
◇ name	VARCHAR(45)	☐	☑	☑	☐	☐	☐	☐	☐	
◇ age	INT	☐	☑	☐	☐	☐	☐	☐	☐	

Column Name: age   Data Type: VARCHAR(45)

Charset/Collation: Default Charset   Default Collation   Default:

Comments: minimum age of a reader   Storage: ○ Virtual

database
MySQL Schema

Tables (3 items)

Add Table   books   genres   author

Views (0 items)

Add View

database - Schema | author - Table ×

Table Name: author   Schema: **database**

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
id	INT	☑	☑	☑	☐	☐	☐	☑	☐	
name	VARCHAR(45)	☐	☑	☐	☐	☐	☐	☐	☐	
surname	VARCHAR(45)	☐	☑	☐	☐	☐	☐	☐	☐	
country	VARCHAR(45)	☐	☑	☐	☐	☐	☐	☐	☐	

Column Name: country   Data Type: VARCHAR(45)

Charset/Collation: Default Charset   Default Collation   Default:

Comments: Storage: ○ Virtual

books
- id INT
- author_id VARCHAR(45)
- genre_id VARCHAR(45)
- pages INT
- ISBN VARCHAR(45)
- time DOUBLE
- language VARCHAR(45)

Indexes ▶

author
- id INT
- name VARCHAR(45)
- surname VARCHAR(45)
- country VARCHAR(45)

Indexes ▶

ge...
- id INT
- name...
- age I...

Index...

books
- id INT
- author_id VARCHAR(45)
- genre_id VARCHAR(45)
- pages INT
- ISBN VARCHAR(45)
- time DOUBLE
- language VARCHAR(45)
- Indexes

author
- id INT
- name VARCHAR(45)
- surname VARCHAR(45)
- country VARCHAR(45)
- Indexes

- id
- na
- ag
- Ind

books
- id INT
- author_id VARCHAR(45)
- genre_id VARCHAR(45)
- pages INT
- ISBN VARCHAR(45)
- time DOUBLE
- language VARCHAR(45)
- Indexes

author
- id INT
- name VARCHAR(45)
- surname VARCHAR(45)
- country VARCHAR(45)
- Indexes

1 : n

1 : n

- id
- na
- ag
- Ind