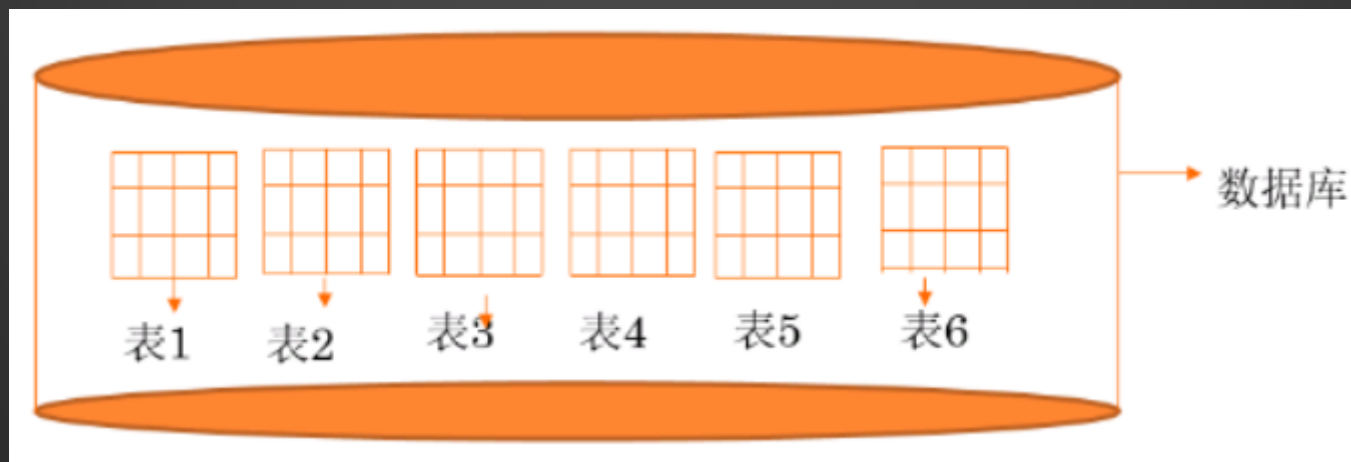


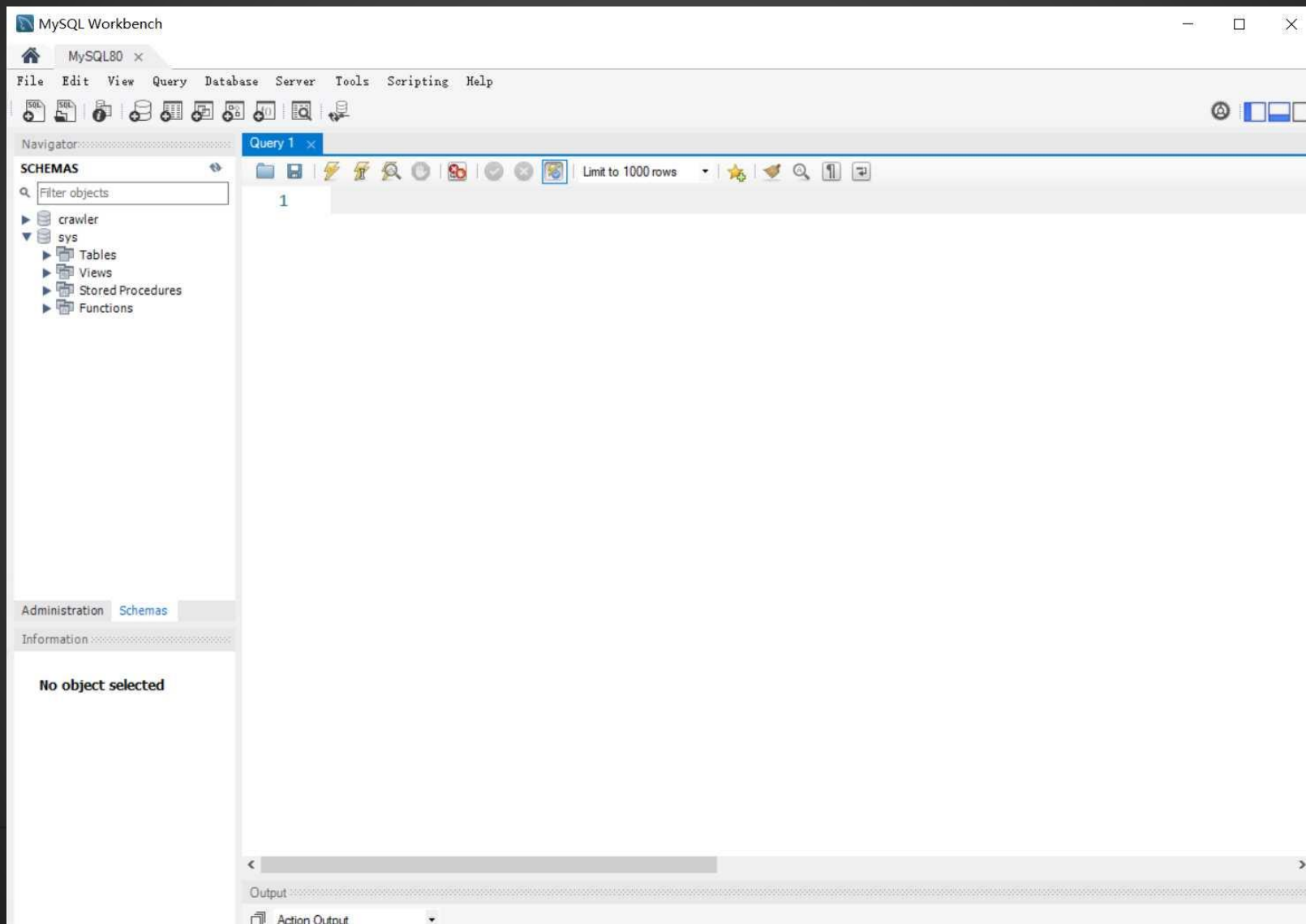
# 数据库基本操作

# 数据库与数据表

- 前面我们所说的数据库是指数据库软件，例如MySQL、Oracle、SQL Server等，而这里提到的数据库（databases）是指数据库软件中的一个用于存储数据的容器。
- 在MySQL中，数据库称为database，数据表称为table。
- 可以有多个数据库（databases），每个数据库中又可以有多个数据表（tables），最终，数据是存储于数据表中。



# Workbench连接MySQL

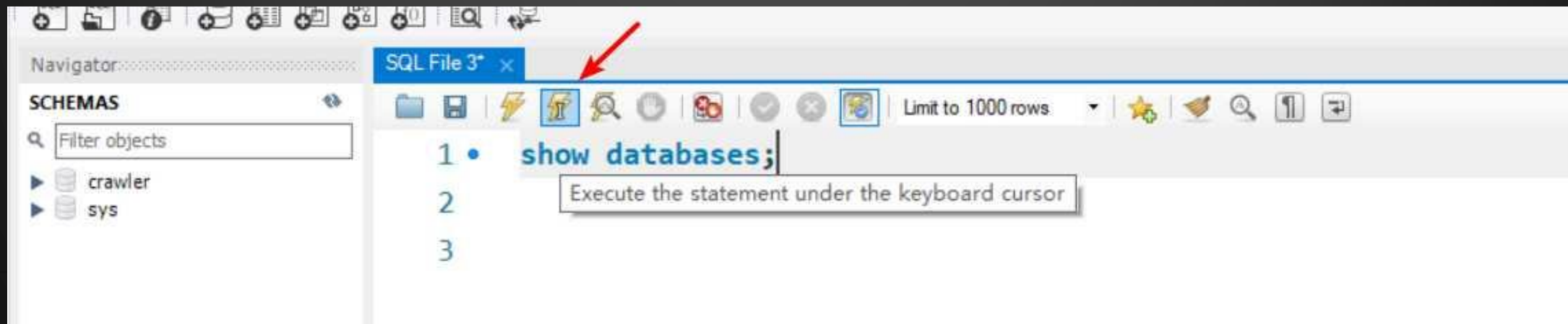


# SQL语句

在正式开始写SQL代码前，需要说明两点：

- SQL语句不区分大小写。
- 每条SQL语句以分号;结尾（英文输入法下分号）。

在Workbench中，执行一条SQL语句的方式有两种：一种是通过上方快捷菜单中的按钮，另一种是快捷键Ctrl+Enter。



# 数据库常用命令

- 查看有哪些数据库:

```
show databases;
```

- 创建数据库:

```
create database <dbname>;
```

- 创建数据库, 并指定编码格式:

```
create database <dbname> character set <编码格式>;
```

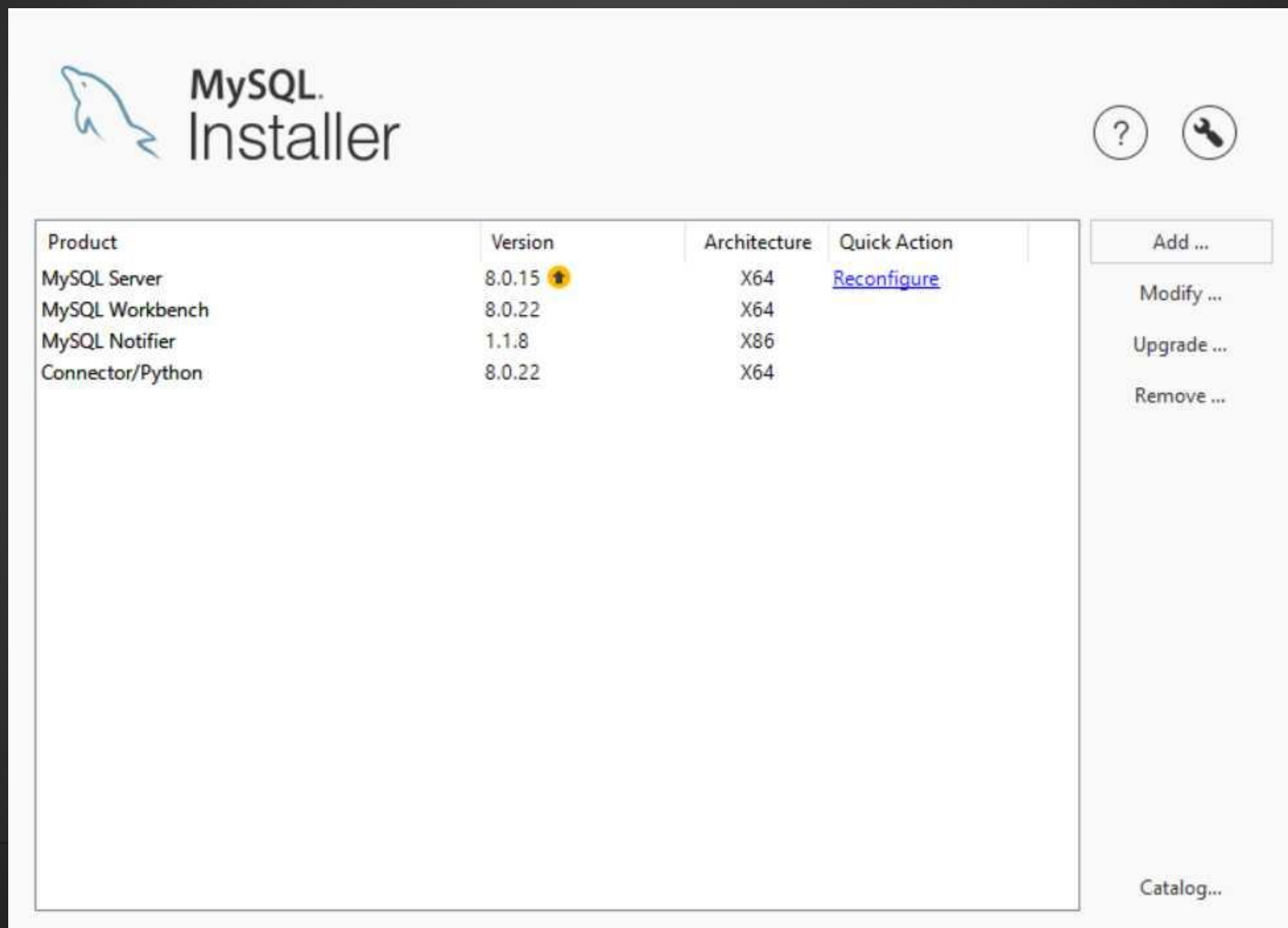
- 使用某个数据库:

```
use <dbname>;
```

- 删除数据库:

```
drop database <dbname>;
```

# 安装MySQL示例数据: samples and examples



# MySQL. Installer

Adding Community

Select Products

Download

Installation

Installation Complete

## Select Products

Please select the products you would like to install on this computer.

Filter: Documentation, Current GA, Any Edit

Available

+ Doc

Text:

Category: Documentation ▼

Maturity: All Software  
MySQL Servers  
Applications  
MySQL Connectors  
Documentation

Architecture:

☐ Already Downloaded

Filter

☐ Enable the Select Features page to customize product features

Published:

Release Notes:

Next >

Cancel

# MySQL. Installer

Adding Community

Select Products

Download

Installation

Product Configuration

Installation Complete

## Select Products

Please select the products you would like to install on this computer.

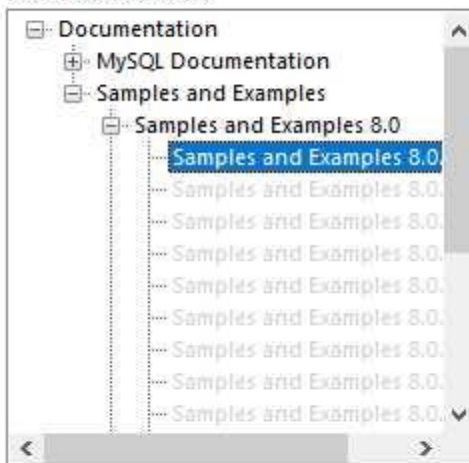


Filter:

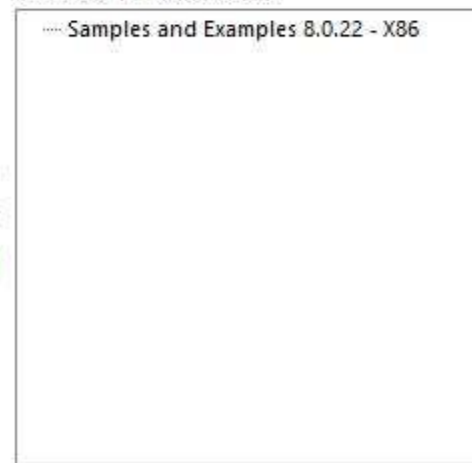
Documentation,Current GA,Any

Edit

Available Products:



Products To Be Installed:



☐ Enable the Select Features page to customize product features

Published: 2020年10月19日

Release Notes:

Next >

Cancel



# MySQL<sup>®</sup> Installer

Adding Community

Select Products

Download


Installation

Product Configuration

Installation Complete

## Download

The following products will be downloaded.

Product	Status	Progress	Notes
 Samples and Examples 8.0.22	Downloaded		

Show Details >

< Back

Next >

Cancel

# MySQL. Installer

Adding Community

Select Products

Installation

Product Configuration

Installation Complete

## Product Configuration

We'll now walk through a configuration wizard for each of the following products.

You can cancel at any point if you wish to leave this wizard without configuring all the products.

Product	Status
Samples and Examples 8.0.22	Ready to configure

Next >

Cancel

# MySQL. Installer

Samples and Examples

Connect To Server

Apply Configuration

## Connect To Server

Select the MySQL server instances from the list to receive sample schemas and data.

	Server	Port	Arch...	Type	Status
<input checked="" type="checkbox"/>	MySQL Server 8.0.15	3306	X64	Stand-alone Server	Connection succeeded.

Provide the credentials that should be used (requires root privileges).  
Click "Check" to ensure they work.

User name:

Credentials provided in Server configuration

Password:

Check



Next >

Cancel

# MySQL. Installer

Samples and Examples

Connect To Server

Apply Configuration

## Apply Configuration

Click [Execute] to apply the changes

Configuration Steps Log

- ☐ Checking if there are any features installed that need configuration.
- ☐ Running Scripts

< Back

Execute

Cancel

# MySQL. Installer

Adding Community

Select Products

Installation

Product Configuration

Installation Complete

## Product Configuration

We'll now walk through a configuration wizard for each of the following products.

You can cancel at any point if you wish to leave this wizard without configuring all the products.

Product	Status
Samples and Examples 8.0.22	Configuration complete,

Next >

Cancel

# MySQL示例数据： samples and examples

打开MySQL Workbench，在左侧窗口中，会看到多了两个数据库：sakila和world。

- sakila：一个模拟DVD租赁信息管理的数据，包含电影、演员等数据。
- world：关于芬兰统计局的数据，包含城市、国家及国家语言三张表。

