



AUTHORIZED
MySQL[®]
EDUCATION CENTER
MySQL for Developers
课程表
(DEV)

ADWAYS & MySQL AB

Jan.8, 2008

爱德威软件开发（上海）有限公司

上海市延安东路 618 号东海商业中心

二期 15 层（200001）

Tel: 021-63410128*3205

Email: mysqlcomm@adways.net

<http://adways-edu.com>



天数	内容及详情	小时
第一天	1 Introduction	1.75
	1.1 MySQL AB	0
	1.2 MySQL Products	0.25
	1.3 MySQL Services	0.25
	1.4 Community vs. Enterprise	0
	1.5 MySQL Partners	0
	1.6 Supported Operating Services	0
	1.7 MySQL Certification Program	0
	1.8 Training Curriculum Paths	0.25
	1.9 MySQL Website	0.25
	1.10. Installing MySQL	0.5
	1.11. Installing the 'world' Database	0.25
	2 MySQL Client/Server Concepts	0.25
	2.1 MySQL General Architecture	0.25
	2.2 How MySQL Uses Disk Space	0
	2.3 How MySQL Uses Memory	0
	3 MySQL Clients	1
	3.1 Invoking Client Programs	0
	3.2 Using Option Files	0.25
	3.3 The MySQL Client	0.25
	3.4 MySQL Query Browser	0.25
	3.5 MySQL Connectors	0.25
	3.6 Third-Party API's	0
	4 Querying for Table Data	2
	4.1 The SELECT Statement	1
	4.2 Aggregating Query Results	1
	4.3 Using UNION	0

天数	内容及详情	小时
第二天	5 SQL Expressions	1
	5.1 SQL Comparisons	0.5
	5.2 Functions in SQL Expressions	0.5
	5.3 Comments in SQL Statements	0
	6 Data Types	1.25
	6.1 Data Type Overview	0
	6.2 Numeric Data Types	0.5
	6.3 Character String Data Types	0.25
	6.4 Binary String Data Types	0.25
	6.5 Temporal Data Types	0.5
	6.6 NULLs	0
	7 Handling Errors and Warnings	1.25
	7.1 SQL Modes	0.5
	7.2 Handling Missing or Invalid Data Values	0.5
	7.3 Interpreting Error Messages	0.25
	8 Obtaining Metadata	0.5
	8.1 Metadata Access Methods	0
	8.2 The INFORMATION SCHEMA	0.25
	8.3 Using SHOW and DESCRIBE	0
	8.4 The mysqlshow Command	0.25
	9 Databases	2
	9.1 Database Properties	0.25
	9.2 Good Design Practices	0.5
	9.3 Identifiers	0.25
	9.4 Creating Databases	0.5
	9.5 Altering Databases	0.25
	9.6 Dropping Databases	0.25

天数	内容及详情	小时
第三天	10 Tables	1.75
	10.1 Creating Tables	0.5
	10.2 Table Properties	0.25
	10.3 Column Options	0.25
	10.4 Creating Tables Based on Existing Tables	0.5
	10.5 Altering Tables	0.25
	10.6 Dropping Tables	0.25
	10.7 Foreign Keys	0.25
	11 Manipulating Table Data	1.25
	11.1 The INSERT Statement	0.5
	11.2 The DELETE Statement	0
	11.3 The UPDATE Statement	0.25
	11.4 The REPLACE Statement	0.25
	11.5 INSERT with ON DUPLICATE KEY UPDATE	0.25
	11.6 The TRUNCATE TABLE Statement	0
	12 Transactions	1.25
	12.1 What is a Transaction?	0.25
	12.2 Transaction Commands	0.5
	12.3 Isolation Levels	0.25
	12.4 Locking	0.25
	13 Joins	2
	13.1 What is a Join?	0
	13.2 Inner Joins	0.75
	13.3 Outer Joins	0.75
	13.4 Cross Joins	0.25
	13.5 Using Qualifiers and Aliases	0
	13.6 Multi-Table UPDATE and DELETE Statements	0.25

天数	内容及详情	小时
第四天	14 Subqueries	1.25
	14.1 Subquery Overview	0
	14.2 Categories of Subqueries	0.25
	14.3 Subqueries Types	0.25
	14.4 Placing Subqueries	0.5
	14.5 Other Subquery Uses	0.25
	15 Views	1
	15.1 What Are Views?	0
	15.2 Creating Views	0.25
	15.3 Updatable Views	0.25
	15.4 Managing Views	0.25
	15.5 Obtaining View Metadata	0.25
	16 Prepared Statements	0.75
	16.1 Why Use Prepared Statements?	0
	16.2 Using Prepared Statements from the mysql Client	0.25
	16.3 Preparing a Statement	0.25
	16.4 Executing a Prepared Statement	0.25
	16.5 Deallocating a Prepared Statement	0
	17 Exporting and Importing Data	0.5
	17.1 Exporting and Importing Data	0
	17.2 Exporting and Importing Data Using SQL	0.25
	17.3 Exporting and Importing Data Using MySQL Client Programs	0.25
	17.4 Import Data with the SOURCE Command	0
	18 Stored Routines	3.25
	18.1 What is a Stored Routine?	0.25
	18.2 Creating Stored Routines	0.5
	18.3 Compound Statements	0.25
	18.4 Assign Variables	0.25
	18.5 Parameter Declarations	0
	18.6 Execute Stored Routines	0.25
	18.7 Stored Routine Characteristics	0.25
	18.8 Examine Stored Routines	0.25

天数	内容及详情	小时
第五天	18.9 Delete Stored Routines	0.25
	18.1 Flow Control Statements	0.25
	18.11 Declare and Use Handlers	0.25
	18.12 Cursors	0.25
	19 Triggers	1
	19.1 What are Triggers?	0.25
	19.2 Delete Triggers	0.25
	19.3 Restrictions on Triggers	0.5
	20 Storage Engines	1.75
	20.1 SOL Parser and Storage Engine Tiers	0.25
	20.2 Storage Engines and MvSQL	0.5
	20.3 The MvISAM Storage Engine	0.25
	20.4 The InnoDB Storage Engine	0.25
	20.5 The MEMORY Storage Engine	0.25
	20.6 Other Storage Engines	0.25
	21 Optimization	1.5
	21.1 Overview of Optimization Principles	0.25
	21.2 Using Indexes for Optimization	0.5
	21.3 Using EXPLAIN to Analyze Queries	0.25
	21.4 Query Rewriting Techniques	0
	21.5 Optimizing Queries by Limiting Output	0
	21.6 Using Summary Tables	0.25
	21.7 Optimizing Updates	0
	21.8 Choosing Appropriate Storage Engines	0.25
	22 Conclusion	0.75
	22.1 Course Overview	0.25
	22.2 Training and Certification Website	0
	22.3 Course Evaluation	0.25
	22.4 Thank You!	0
	22.5 O&A Session	0.25