

MySQL & PHPMyAdmin

What is MySQL

- A RDBMS → A software system that manages databases.
- A RDBMS may contain multiple databases
- Databases may contain multiple tables
- A table is a collection of data, made up of columns and rows

A table example:

Customers					
	CustomerId	FirstName	LastName	DateCreated	Client
+	1	Homer	Simpson	13/06/2014 3:33:37 PM	
+	2	Peter	Griffin	13/06/2014 9:09:56 PM	
+	3	Stewie	Griffin	13/06/2014 9:16:07 PM	
+	4	Brian	Griffin	13/06/2014 9:16:36 PM	
+	5	Cosmo	Kramer	13/06/2014 9:16:41 PM	
+	6	Philip	Fry	13/06/2014 9:17:02 PM	
+	7	Amy	Wong	13/06/2014 9:22:05 PM	
+	8	Hubert J.	Farnsworth	13/06/2014 9:22:19 PM	
+	9	Marge	Simpson	13/06/2014 9:22:37 PM	
+	10	Bender	Rodríguez	13/06/2014 9:22:52 PM	
+	11	Turanga	Leela	13/06/2014 9:23:37 PM	
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RDBMS

RDBMS stands for Relational Database Management System.

RDBMS is the basis for SQL, and for all modern database systems such as MS SQL Server, IBM DB2, Oracle, MySQL, MariaDB, Postgres and Microsoft Access,

The data in RDBMS is stored in database objects called tables.

A table is a collection of related data entries and it consists of columns and rows.

Lets create a DB with the following table in PHPMyAdmin

- Create a new db
- Create students table in the new db, with the following columns
 - id INT **Primary Key** // A number, unique identifier, auto incremented
 - fname VARCHAR(100) // Text limited to 100 chars
 - age INT // A number
 - Date TIMESTAMP (CURRENT_TIMESTAMP) // auto generates

students

id	fname	age	date
1	Beatrice	24	XXXX-XX-XX
2	Mohamad	26	XXXX-XX-XX
3	Johanna	29	XXXX-XX-XX
4	Mohamad	35	XXXX-XX-XX