Introduction to Databases

Relationel RDBMS : MySQL, PostgreSQL and SQL Server

(Presentation and Comparison)

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MySQL :

- It's open-source RDBMS : create tables which data types maybe related to each others
- Based on SQL:strutred query language that allows to do CRUD operations
- Works with many operating systems

SQL SERVER:

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- Supports SQL
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Name	Microsoft SQL Server	MySQL	PostgreSQL
License	commercial	Open Source	Open Source
Server operating systems	Linux, Windows	FreeBSD, Linux, OS X, Solaris Windows	FreeBSD, HP-UX Linux, NetBSD OpenBSD, OS X Solaris, Unix Windows
APIs and other access methods	ADO.NET JDBC ODBC OLE DB Tabular Data Stream (TDS)	ADO.NET JDBC ODBC Proprietary native API	ADO.NET JDBC native C library ODBC streaming API for large objects

Name	Microsoft SQL Server	MySQL	PostgreSQL
Supported programming languages	C# C++ Delphi Go Java JavaScript (Node.js) PHP Python R Ruby Visual Basic	Ada, C, C#, C++, D, Delphi, Eiffel Erlang, Haskell Java, JavaScript (Node.js), Objective-C OCaml Perl PHP Python, Ruby,Scheme Tcl	.Net C C++ Delphi Java JavaScript (Node.js) Perl PHP Python Tcl