

KONEKSI BASIS DATA

Databases

- A database is an organized collection of data
- A database management system (DBMS) provides mechanisms for storing, organizing, retrieving and modifying data for many users
- A relational database is a logical representation of data that allows the data to be accessed without consideration of its physical structure
- A relational database stores data in tables

Table

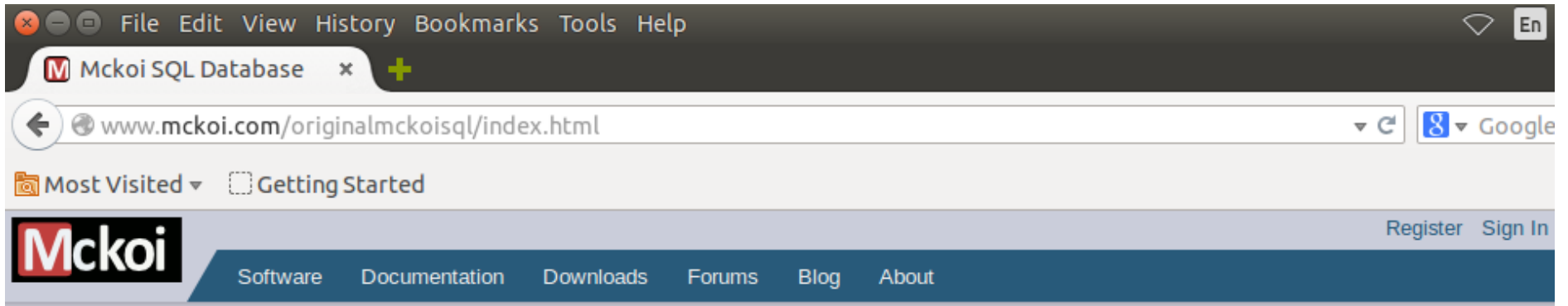
- Tables are composed of rows, and rows are composed of columns in which values are stored

	Number	Name	Department	Salary	Location
Row {	23603	Jones	413	1100	New Jersey
	24568	Kerwin	413	2000	New Jersey
	34589	Larson	642	1800	Los Angeles
	35761	Myers	611	1400	Orlando
	47132	Neumann	413	9000	New Jersey
	78321	Stephens	611	8500	Orlando

Primary key

Column

Mckoi Database



Mckoi SQL Database

Mckoi SQL Database is an Open Source SQL Database System written in Java. The Mckoi SQL Database project was started in 1998, and the goal was to build a database management system in a traditional shared disk/shared memory style architecture. Mckoi SQL Database includes some nice features such as write-ahead-logging. Many of the design ideas implemented in this project were carried through into MckoiDDB, the evolution of this project.

This page contains links and resources for the Mckoi SQL Database software.

Download The Software

Mckoi SQL Database is released under the GNU General Public License (GPL) version 2. Before using the software, please read the license and understand its terms. A copy of the license is [available here](#). This is an open source project. You are free to download and distribute the software under the terms of the license.

Latest version

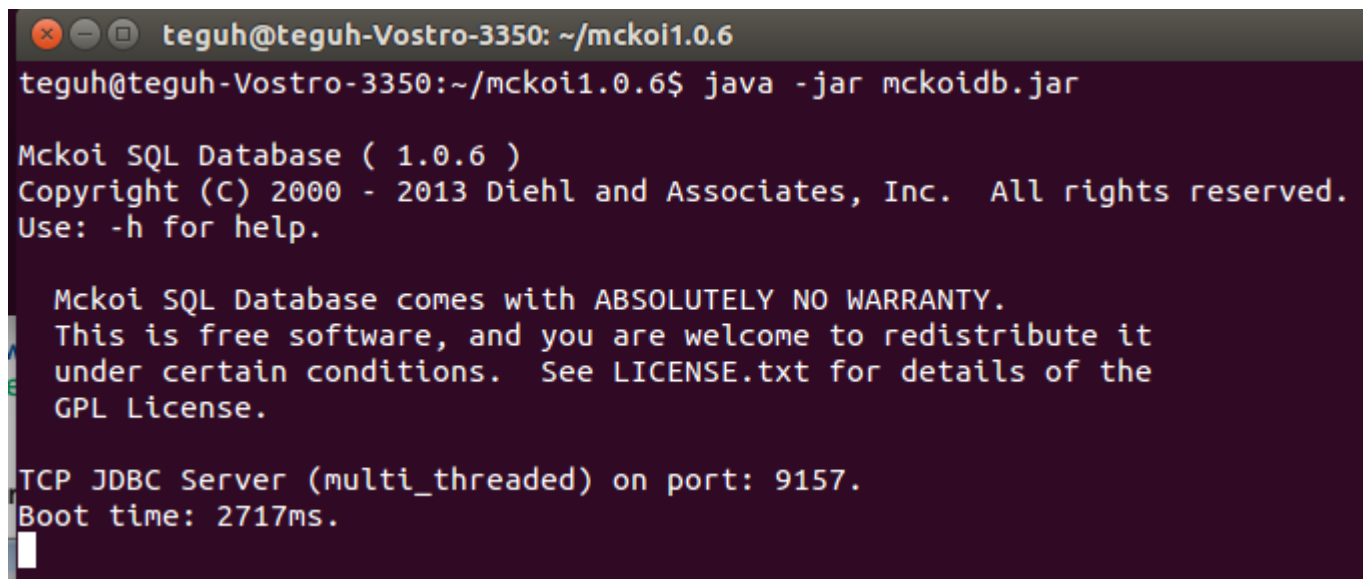
Membuat dan Menjalankan Database

- **Membuat Database Baru**

```
C:\dirdata>java -jar mckoidb.jar -create  
"namaUser" "password"
```

- **Menjalankan Database Server**

```
>java -jar mckoidb.jar
```



```
teguh@teguh-Vostro-3350: ~/mckoi1.0.6  
teguh@teguh-Vostro-3350:~/mckoi1.0.6$ java -jar mckoidb.jar  
Mckoi SQL Database ( 1.0.6 )  
Copyright (C) 2000 - 2013 Diehl and Associates, Inc. All rights reserved.  
Use: -h for help.  
  
Mckoi SQL Database comes with ABSOLUTELY NO WARRANTY.  
This is free software, and you are welcome to redistribute it  
under certain conditions. See LICENSE.txt for details of the  
GPL License.  
  
TCP JDBC Server (multi_threaded) on port: 9157.  
Boot time: 2717ms.  
█
```

Menjalankan Query Tools

```
teguh@teguh-Vostro-3350: ~/mckoi1.0.6
teguh@teguh-Vostro-3350:~/mckoi1.0.6$ java -cp mckoidb.jar com.mckoi.tools.JDBCQueryTool -u "amin" -p "admin1314"
```

Mckoi JDBC Query Tool

File Options

SHOW TABLES

Run Query Stop Query

table_name	user_privs	table_type
Customer	SELECT DELETE UPDATE INSERT ...	TABLE
Products	SELECT DELETE UPDATE INSERT ...	TABLE
Tamu	SELECT DELETE UPDATE INSERT ...	TABLE

Custom server port

```
java -cp mckoidb.jar  
com.mckoi.tools.JDBCQueryTool -url  
"jdbc:mckoi://localhost:8090" -u "admin" -p  
"admin1314"
```