0406基础认识

```
• (base) [yufc@VM-12-12-centos:~/Core] vim /etc/my.cnf
YouCompleteMe unavailable: requires vim compiled with Python (2.7.1+ or 3.4+) support.
UltiSnips requires py >= 2.7 or py3
Error: LeaderF requires vim compiled with +python or +python3
Press ENTER or type command to continue
(base) [yufc@VM-12-12-centos:~/Core]$
```

```
1: /e/my.cnf ∏ ■
 1 # For advice on how to change settings please see
 2 # http://dev.mysql.com/doc/refman/5.7/en/server-configuration-defaults.html
 4 [mysqld]
 5 #
 6 # Remove leading # and set to the amount of RAM for the most important data
 7 # cache in MySQL. Start at 70% of total RAM for dedicated server, else 10%
     innodb buffer pool size = 128M
 9 #
10 # Remove leading # to turn on a very important data integrity option: logg
11 # changes to the binary log between backups.
12 # log bin
13 #
14 # Remove leading # to set options mainly useful for reporting servers.
15 # The server defaults are faster for transactions and fast SELECTs.
16 # Adjust sizes as needed, experiment to find the optimal values.
17 # join buffer size = 128M
18 # sort buffer size = 2M
20 datadir=/var/lib/mysql
21 socket=/var/lib/mysql/mysql.sock
23 # Disabling symbolic-links is recommended to prevent assorted security risk
24 symbolic-links=0
25
26 log-error=/var/log/mysqld.log
27 pid-file=/var/run/mysqld/mysqld.pid
```

数据都放在这个 datadir里面

```
• (base) [yufc@VM-12-12-centos:/var/lib/mysql]$ sudo ls
[sudo] password for yufc:
auto.cnf client-cert.pem ibdatal ibtmpl mysql.sock.lock public_key.pem sys
ca-key.pem client-key.pem ib_logfile0 mysql performance_schema server-cert.pem
ca.pem ib_buffer_pool ib_logfile1 mysql.sock private_key.pem server-key.pem

(base) [yufc@VM-12-12-centos:/var/lib/mysql]$
```

以特定的格式保存好的文件, 我们叫做数据库

数据库的本质:是对文件的内容提供更基本的内容 操作,不用程序员自己处理

```
• (root)[root@VM-12-12-centos:~]$ netstat -nltp
 Active Internet connections (only servers)
 Proto Recv-Q Send-Q Local Address
                                             Foreign Address
                                                                                 PID/Program name
                                                                     State
                   0 0.0.0.0:22
                                             0.0.0.0:*
                                                                     LISTEN
                                                                                 1801/sshd
 tcp
                                             0.0.0.0:*
                                                                                 1619/master
 tcp
                   0 127.0.0.1:25
                                                                     LISTEN
                   0 127.0.0.1:43424
                                             0.0.0.0:*
                                                                                 24668/node
                                                                     LISTEN
 tcp
 tcp6
                   0 :::22
                                             :::*
                                                                     LISTEN
                                                                                 1801/sshd
                   0 ::1:25
                                                                                 1619/master
 tcp6
                                             * * *
                                                                     LISTEN
 tcp6
                   0 :::3306
                                             :::*
                                                                     LISTEN
                                                                                 10458/mysqld
(root)|root@VM-12-12-centos:~|$
```

```
tcp6 0 0:::3306
(root)[root@VM-12-12-centos:~] mysql -h 127.0.0.1 -P 3306 -u root -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 2
Server version: 5.7.41 MySQL Community Server (GPL)

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```

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

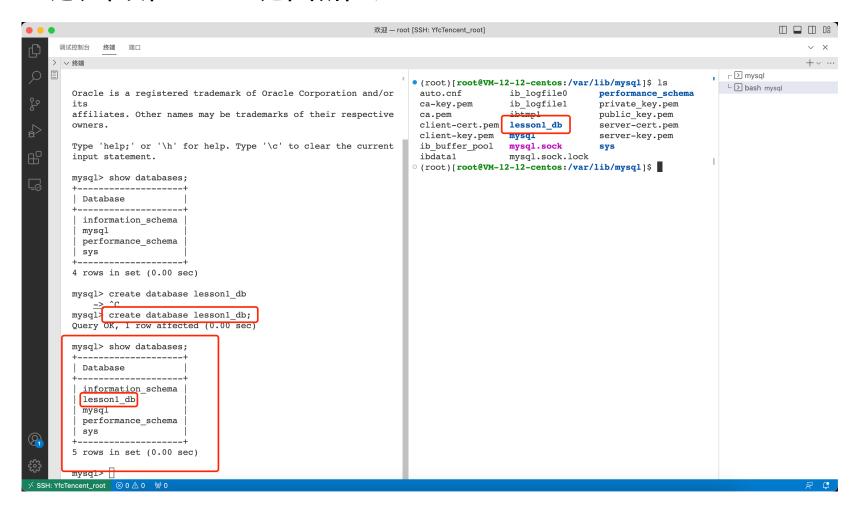
affiliates. Other names may be trademarks of their respective

mysql>

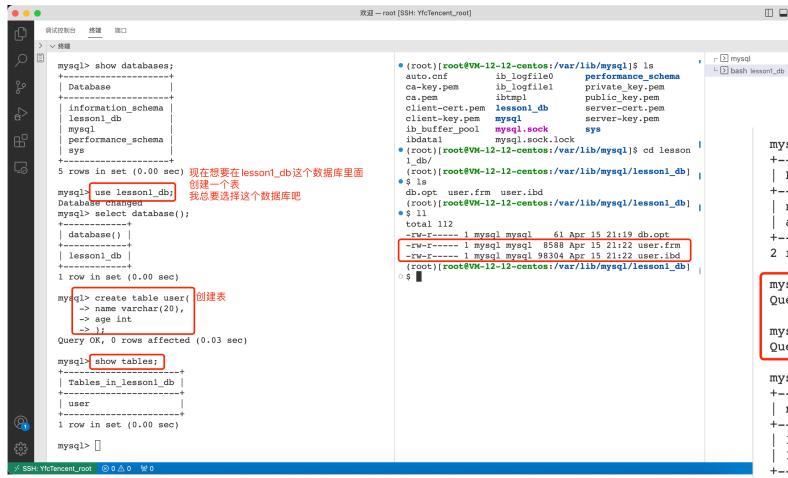
owners.

创建一个数据库本质是在 linux ß上做什么?

建表本质在 linux 上是在做什么?

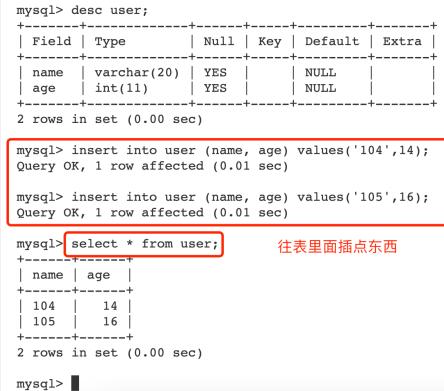


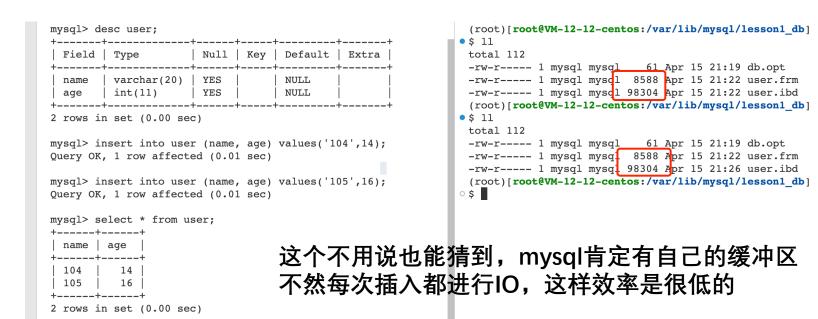
在mysql中,建立一个数据库 的本质是在linux下建立了一个目录!



所以创建表的本质 就是在数据库文件夹里面 创建一些文件!

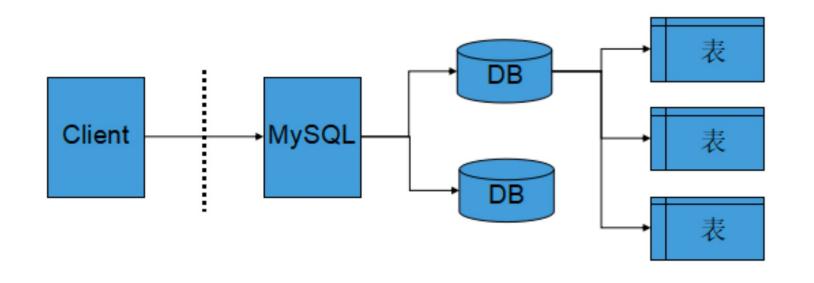
+~ ...





不是说数据库的插入就是往文件里面 写入吗?

为什么没有变化?



Mysql的生态中 也会提供第三方库

让语言能直接访问mysql

