

Python数据库操作

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一. MySQL数据库的基本操作
1)查看当前mysql中的数据库
  show databases;

2)创建数据库
  create database myfirstdb;

3)选择数据库
  use myfirstdb;

4)删除数据库
  drop database myfirstdb;

5)建立数据表
  create table account(id int auto_increment primary key, username varchar(50) not null, passwd varchar(50) not null, createtime datetime);
说明：
    创建一个表id为int型是主键
    auto_increment表明这个字段是自增的
    username passwd 都是不为空的字符串长度为50.

6)查看表结构
  desc account;

7)修改列
  alter table account modify username varchar(30);

8)添加列
  mysql> alter table account ADD cost float;
  mysql> alter table account drop column cost;

9)修改字段值
  update account SET cost = 10223.21 where username = 'yangyanhui';

10)删除表
  drop table account;

11)重命名表
  mysql> rename table score to chengji;

12)向表中插入数据
  insert into user values(null, 'liushuo', '123', now());  ##向表格中插入数据
  insert into user values (null, 'yangyanhui', '123', now());  ## 继续向表格中插入数据
```

```
mysql> desc account;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra           |
+-----+-----+-----+-----+-----+-----+
| id         | int(11)       | NO   | PRI | NULL    | auto_increment |
| username   | varchar(50)   | NO   |     | NULL    |                 |
| passwd     | varchar(50)   | NO   |     | NULL    |                 |
| createtime | datetime      | YES  |     | NULL    |                 |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.01 sec)
```

二. 安装pymysql pip install pymysql -i <http://mirrors.aliyun.com/pypi/simple/> (<http://mirrors.aliyun.com/pypi/simple/>) --trusted-host mirrors.aliyun.com

示例代码：

```
In [ ]: import pymysql
conn = pymysql.connect(host='127.0.0.1', port=3306, user='root', passwd='', db='tkq1')
cursor = conn.cursor()
cursor.execute("select * from tb7")
# 获取剩余结果的第一行数据
row_1 = cursor.fetchone()
#获取剩余结果前n行数据
row_2 = cursor.fetchmany(3)
# 获取剩余结果所有数据
row_3 = cursor.fetchall()
conn.commit()
cursor.close()
conn.close()
```

In []: