

MySQL基本操作——库、表操作

1、库操作

```
CREATE DATABASE keechaw;
```

```
SHOW DATABASES;
```

```
SHOW DATABASE keechaw;
```

```
DROP DATABASE keechaw;
```

2、表操作

1)、创建表 department 等表

2)、检查约束不能重复（短）

```
teacher_department
```

```
CREATE TABLE department(  
  Department_id CHAR(3) NOT NULL PRIMARY KEY  
  COMMENT '学院编号',  
  Department_name VARCHAR(10) NOT NULL COMMENT '学院名  
  称'  
)ENGINE=INNODB DEFAULT CHARSET=utf8;
```

```
CREATE TABLE teacher(  
  Teacher_id CHAR(5) NOT NULL PRIMARY KEY COMMENT '教师  
  编号',
```

```
Teacher_name VARCHAR(4) NOT NULL COMMENT'教师姓名',  
Department_id CHAR(3) NOT NULL COMMENT'学院编号',  
Gender CHAR(1) NOT NULL DEFAULT '男' COMMENT'性别',  
CONSTRAINT teacher_department FOREIGN KEY  
(Department_id)  
REFERENCES department(Department_id)  
)ENGINE=INNODB DEFAULT CHARSET=utf8;
```

```
CREATE TABLE course(  
Course_id CHAR(4) NOT NULL PRIMARY KEY COMMENT'课程  
号',  
Course_name VARCHAR(10) NOT NULL COMMENT'课程名',  
Capacity INT(4) NOT NULL DEFAULT 60 COMMENT'人数上  
限',  
Teacher_id CHAR(5) NOT NULL COMMENT'教师编号',  
CONSTRAINT course_teacher FOREIGN KEY (Teacher_id)  
REFERENCES teacher(Teacher_id)  
)ENGINE=INNODB DEFAULT CHARSET=utf8;
```

```
CREATE TABLE class(  
Class_id CHAR(8) NOT NULL PRIMARY KEY COMMENT'班级编  
号',  
Class_name VARCHAR(8) NOT NULL COMMENT'班级名',  
Year SMALLINT(4) NOT NULL COMMENT'年度',  
Department_id CHAR(3) NOT NULL COMMENT'学院编号',  
CONSTRAINT class_department FOREIGN KEY  
(Department_id)  
REFERENCES department(Department_id)  
)ENGINE=INNODB DEFAULT CHARSET=utf8;
```

```
CREATE TABLE students(  
Student_id CHAR(12) NOT NULL PRIMARY KEY COMMENT'学  
号',  
Student_name VARCHAR(4) NOT NULL COMMENT'姓名',  
Class_id CHAR(4) NOT NULL COMMENT'班级编号',  
Phone VARCHAR(18) NOT NULL COMMENT'电话',  
CONSTRAINT student_class FOREIGN KEY (Class_id)
```

```
REFERENCES class(Class_id)
)ENGINE=INNODB DEFAULT CHARSET=utf8;

CREATE TABLE choose(
Choose_id INT(11) NOT NULL PRIMARY KEY
AUTO_INCREMENT,
Student_id CHAR(12) NOT NULL COMMENT'学号',
Course_id CHAR(4) NOT NULL COMMENT'课程号',
Choose_time datetime NOT NULL COMMENT'选课时间',
Report INT DEFAULT 0 COMMENT'成绩',
CONSTRAINT choose_course FOREIGN KEY (Course_id)
REFERENCES course(Course_id),
CONSTRAINT choose_student FOREIGN KEY (Student_id)
REFERENCES students(Student_id)
)ENGINE=INNODB DEFAULT CHARSET=utf8;
```