

# Task1

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## 什么叫做数据库？

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数据库是用来存储和操作数据的地方，不同于内存会在断电后丢失，数据库可以保留数据。

## 什么是DBMS？

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DBMS是方便用户对数据库进行操作的软件，SQL就是DBMS的常用语言，我使用的MySQL就是一种DBMS

## 什么叫主键？

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主键是一张表中唯一的标识，且不能为空。如Task3题目所给表格中，id就是其主键。

## 什么是外键？

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外键是连接两个表之间的桥梁，一个表的外键必须在另一张表的主键中出现，可以有多个外键，允许为空。

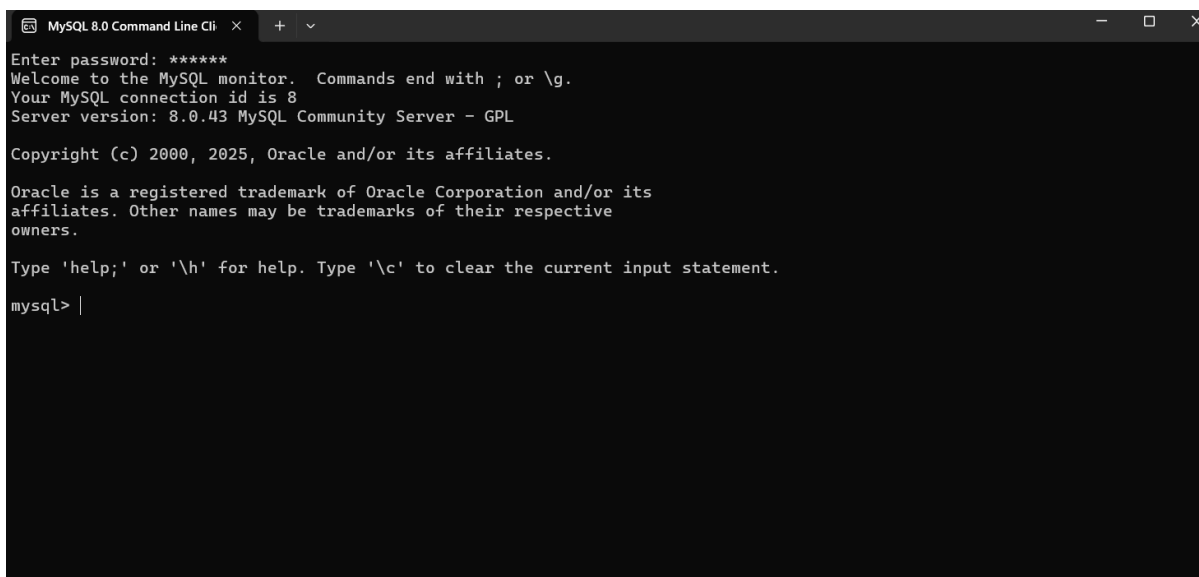
# Task2

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## 关于配置环境

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下载好MySQL后，我首先点开电脑的高级配置，找到环境变量--path，添加bin包后一直确定就可以了~



```
MySQL 8.0 Command Line Cli  x  +  v
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.43 MySQL Community Server - GPL

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owners.

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

mysql> |
```

# Task3

## 1：创建表

## 2：插入数据

```
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 10
Server version: 8.0.43 MySQL Community Server - GPL

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owners.

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

mysql> use Task03
Database changed
mysql> create table student(
    -> id int,
    -> name varchar(10),
    -> age int,
    -> gender int
    -> );
Query OK, 0 rows affected (0.09 sec)

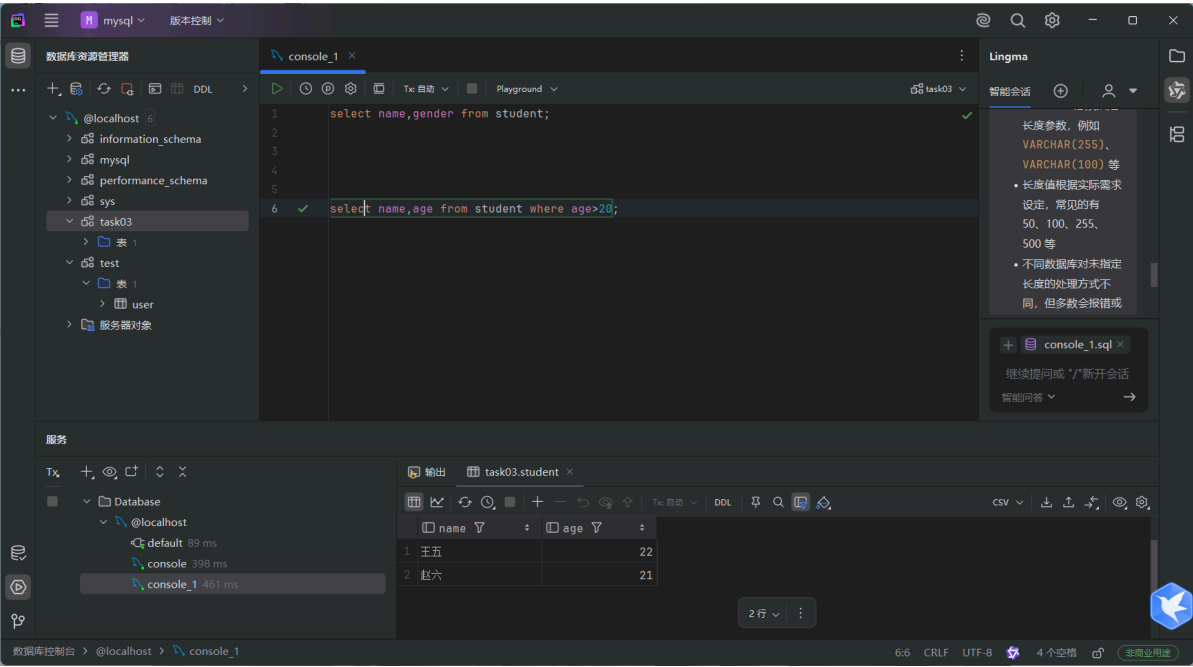
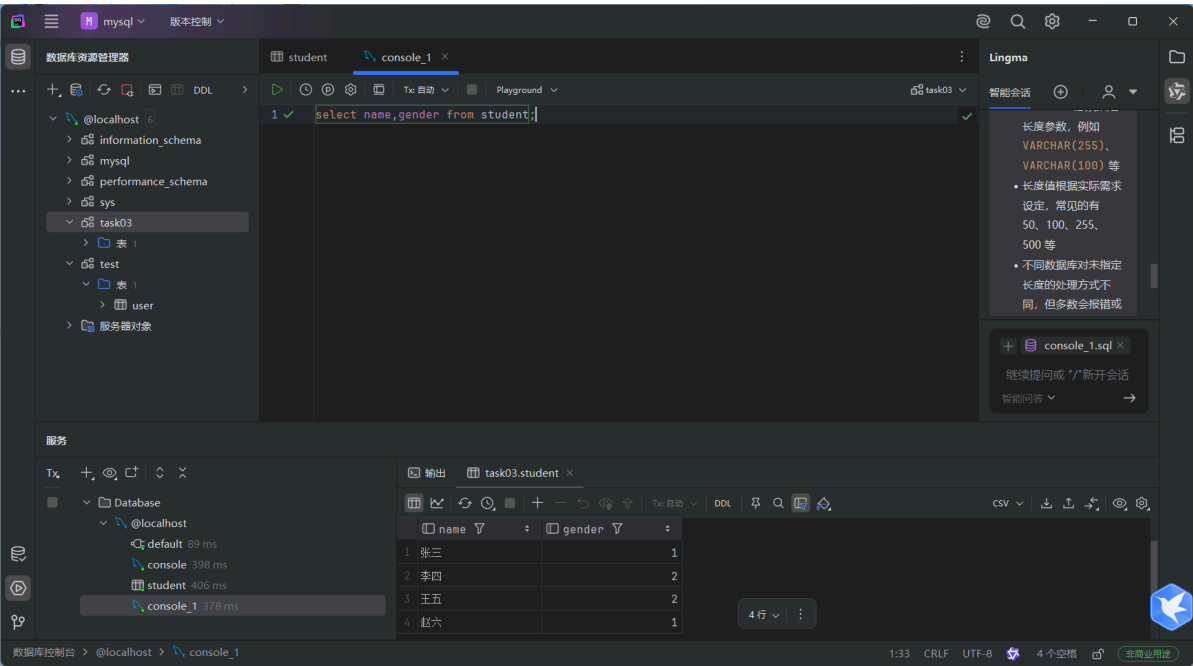
mysql> DESC student;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id    | int           | YES  |     | NULL    |       |
| name  | varchar(10)   | YES  |     | NULL    |       |
| age   | int           | YES  |     | NULL    |       |
| gender | int           | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.02 sec)

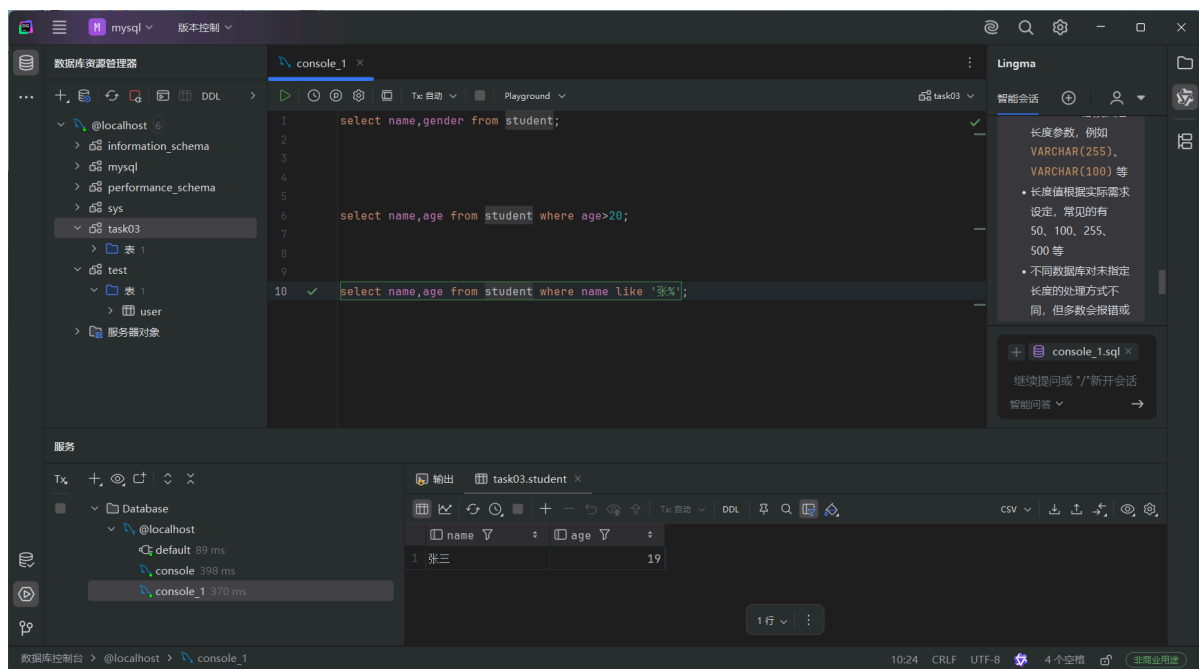
mysql> insert into student values(1,2,3,4),('张三','李四','王五','赵六'),(19,18,22,21),(1,2,2,1);
ERROR 1366 (HY000): Incorrect integer value: '张三' for column 'id' at row 2
mysql> insert into student values(1,'张三',19,1),(2,'李四',18,2),(3,'王五',22,2),(4,'赵六',20,1);
Query OK, 4 rows affected (0.01 sec)
Records: 4 Duplicates: 0 Warnings: 0

mysql> DESC student;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id    | int           | YES  |     | NULL    |       |
| name  | varchar(10)   | YES  |     | NULL    |       |
| age   | int           | YES  |     | NULL    |       |
| gender | int           | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> select * from student;
+-----+-----+-----+-----+
| id | name | age | gender |
+-----+-----+-----+-----+
| 1  | 张三 | 19  | 1      |
| 2  | 李四 | 18  | 2      |
| 3  | 王五 | 22  | 2      |
| 4  | 赵六 | 20  | 1      |
+-----+-----+-----+-----+
4 rows in set (0.01 sec)
```

# 3：查询数据





以上就是所有的实现~~~学长能给高分吗QWQ