

实例 2：企业员工管理数据库 DBEM

基本表解释：

employee: 员工信息表
department: 部门信息表
salary: 员工薪水表

数据库建立：

(1) 定义数据库

```
CREATE DATABASE DBEM DEFAULT CHARACTER SET gbk COLLATE gbk_chinese_ci;
```

(2) 定义基本表

```
CREATE TABLE employee (  
    employeeID CHAR(6) NOT NULL PRIMARY KEY,           /*员工号*/  
    name CHAR(10) NOT NULL,                             /*姓名 */  
    education CHAR(4) NOT NULL,                         /*学历*/  
    birth DATE NOT NULL,                                 /*出生日期*/  
    gender TINYINT(1) NOT NULL DEFAULT 1,              /*男 1 女 0*/  
    workYear TINYINT(1),                                 /*工作时间*/  
    address VARCHAR(100),                                /*地址*/  
    phone CHAR(12),                                     /*电话号码*/  
    departmentID CHAR(3) REFERENCES department(departmentID)  
);
```

```
CREATE TABLE department (  
    departmentID CHAR(3) PRIMARY KEY,                   /*部门编号*/  
    departName CHAR(20) NOT NULL,                       /*部门名称*/  
    comment VARCHAR(100)                                /*备注*/  
);
```

```
CREATE TABLE salary (  
    employeeID CHAR(6) REFERENCES employee(employeeID),  
    income REAL,                                         /*收入*/  
    outcome REAL,                                       /*支出*/  
    PRIMARY KEY(employeeID)  
);
```

(3) 导入导出数据(以 employee 表为例):

导入全部数据

```
LOAD DATA INFILE '文件路径/employee.csv' INTO TABLE employee
CHARACTER SET gbk
FIELDS TERMINATED BY ','
LINES TERMINATED BY '\r\n';
```

导入数据到指定的字段

```
LOAD DATA INFILE '文件路径/employee.csv' INTO TABLE employee
CHARACTER SET gbk
FIELDS TERMINATED BY ','
LINES TERMINATED BY '\r\n'
(employeeID, name, education);
```

导出基本表所有数据记录

```
SELECT * FROM employee INTO OUTFILE '文件路径/employee.csv'
CHARACTER SET gbk
FIELDS TERMINATED BY ','
LINES TERMINATED BY '\r\n';
```

导出基本表指定字段记录

```
SELECT employeeID, name, education FROM employee INTO OUTFILE '文件
路径/employee.csv'
CHARACTER SET gbk
FIELDS TERMINATED BY ','
LINES TERMINATED BY '\r\n';
```

注: 也可用 Navicat 导入 csv 数据文件

(4) 数据集的规模 and 实际使用属性

employee(12):

employeeID, name, education, birth, gender, workYear, address, phone, departm
entID

department(5): departmentID, departName, comment

salary(12): employeeID, income, outcome

注: 建立数据库请依据以上信息将数据导入到各基本表的指定属性