这是我要用到数据库内容  
create table courses  
(  
 course\_id int auto\_increment  
 primary key,  
 course\_name varchar(100) not null,  
 credit int not null  
)  
 row\_format = DYNAMIC;  
  
create table departments  
(  
 dept\_id int auto\_increment  
 primary key,  
 dept\_name varchar(50) not null,  
 location varchar(100) not null  
)  
 row\_format = DYNAMIC;  
  
create table employees  
(  
 emp\_id int auto\_increment  
 primary key,  
 first\_name varchar(50) not null,  
 last\_name varchar(50) not null,  
 salary decimal(10, 2) not null,  
 dept\_id int null,  
 constraint employees\_ibfk\_1  
 foreign key (dept\_id) references departments (dept\_id)  
 on delete set null  
)  
 row\_format = DYNAMIC;  
  
create index dept\_id  
 on employees (dept\_id);  
  
create table students  
(  
 student\_id int auto\_increment  
 primary key,  
 student\_name varchar(50) not null,  
 enrollment\_year year not null  
)  
 row\_format = DYNAMIC;  
  
create table student\_courses  
(  
 student\_id int not null,  
 course\_id int not null,  
 enrollment\_date date not null,  
 primary key (student\_id, course\_id),  
 constraint student\_courses\_ibfk\_1  
 foreign key (student\_id) references students (student\_id)  
 on delete cascade,  
 constraint student\_courses\_ibfk\_2  
 foreign key (course\_id) references courses (course\_id)  
 on delete cascade  
)  
 row\_format = DYNAMIC;  
  
create index course\_id  
 on student\_courses (course\_id);  
  
create table users  
(  
 user\_id int auto\_increment  
 primary key,  
 username varchar(50) not null,  
 email varchar(100) not null,  
 created\_at timestamp default CURRENT\_TIMESTAMP null,  
 constraint email  
 unique (email),  
 constraint username  
 unique (username)  
)  
 row\_format = DYNAMIC;  
  
create table id\_cards  
(  
 card\_id int auto\_increment  
 primary key,  
 card\_number varchar(18) not null,  
 issue\_date date not null,  
 user\_id int null,  
 constraint card\_number  
 unique (card\_number),  
 constraint user\_id  
 unique (user\_id),  
 constraint id\_cards\_ibfk\_1  
 foreign key (user\_id) references users (user\_id)  
 on delete cascade  
)  
 row\_format = DYNAMIC;

现在要帮我一个项目，用Spring JPA完成，数据库叫homework，用户root，密码1234

完成下面的内容的增删改查（CRUD）：

* 一对一关系：用户（users）与身份证信息（id\_cards）
* 一对多关系：部门（departments）与员工（employees）
* 多对多关系：学生（students）与课程（courses）