

# Hibernate 1 & 2

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## Tasks:

- Create Employee Entity [id, firstName LastName]
- OneToOne Mapping with EmployeeDetails[phone and email]
- OneToMany mapping with Address [without Jointable] [Address has streetName,city, pincode]
- ManyToMany[Courses] Only 1 Join Table. [Course has CourseName]

## Employee Table:

The screenshot shows a database management tool interface. The top toolbar includes icons for file operations, execution, and search. The SQL editor contains the following queries:

```
1 • use sampleDB;
2 • select * from employeeTable_a;
3
4 • select * from course_a;
5
```

Below the SQL editor is a "Result Grid" section. It includes a "Filter Rows:" input field and buttons for "Edit:", "Export/Import:", and "Wrap Cell Content:". The result grid displays the following data:

	Emp_Id	First_Name	Last_Name
▶	1	Praba	kar
	2	Soumya	Racha
*	NULL	NULL	NULL

On the right side of the interface, there is a vertical toolbar with buttons for "Result Grid", "Form Editor", and "Field Types".

## OneToOne Mapping with EmployeeDetails:

- Employee id is added in the employee details table

The screenshot shows a database query tool interface. The SQL editor contains two queries: `select * from course_a;` and `select * from employee_details_a;`. The result grid displays the data for the second query, showing three columns: Email, Phone\_No, and employee\_Emp\_Id. The data rows are: praba@mail.com (987654321, 1), soumya@mail.com (9876765671, 2), and a row with NULL values.

Email	Phone_No	employee_Emp_Id
praba@mail.com	987654321	1
soumya@mail.com	9876765671	2
NULL	NULL	NULL

## OneToMany Mapping with Address Entity:

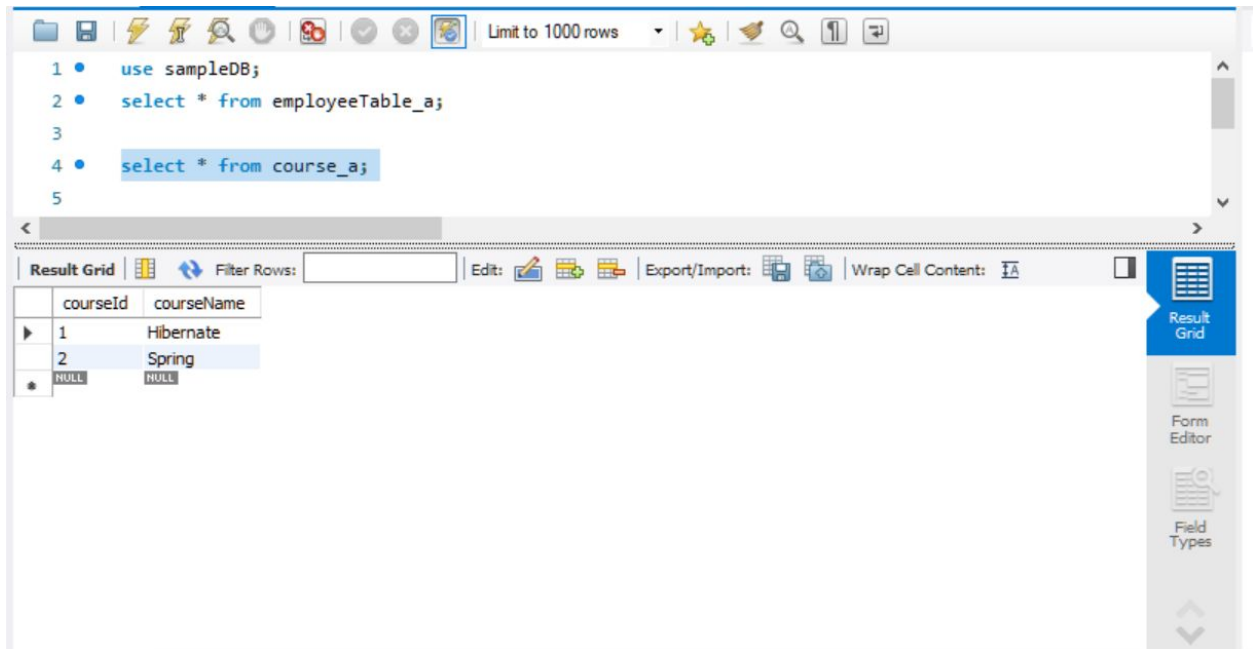
- One employee has many addresses (below emp1 has two addresses)
- Relationship mapped without creating new jointable

The screenshot shows a database query tool interface. The SQL editor contains two queries: `select * from emp_course_a;` and `select * from address_a;`. The result grid displays the data for the second query, showing five columns: Address\_Id, City, Pincode, street\_name, and employee\_Emp\_Id. The data rows are: 1 (Trichy, 621005, MNLR, 1), 2 (Chennai, 600026, Rayapuram, 1), 3 (Hyderabad, 543215, Nanded, 2), and a row with NULL values.

Address_Id	City	Pincode	street_name	employee_Emp_Id
1	Trichy	621005	MNLR	1
2	Chennai	600026	Rayapuram	1
3	Hyderabad	543215	Nanded	2
NULL	NULL	NULL	NULL	NULL

## ManyToMany Mapping with Course Table:

### Course Table:



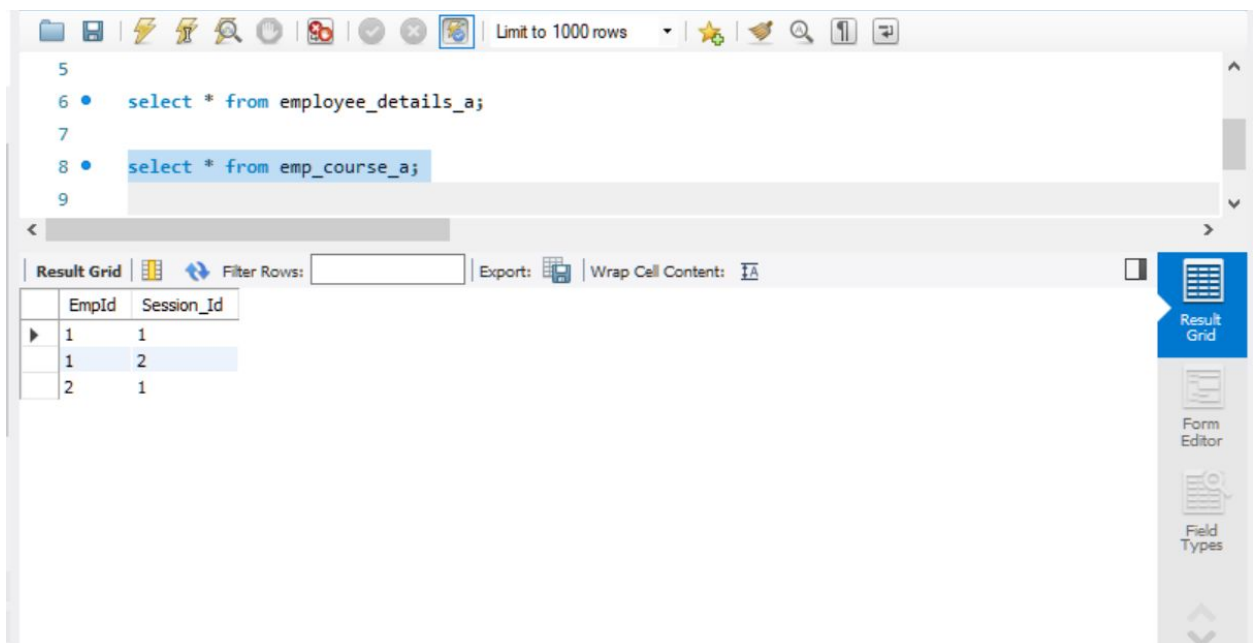
The screenshot shows a database tool interface. The SQL editor contains the following queries:

```
1 • use sampleDB;  
2 • select * from employeeTable_a;  
3  
4 • select * from course_a;  
5
```

The result grid displays the data for the 'course\_a' table:

courseId	courseName
1	Hibernate
2	Spring
NULL	NULL

- One joinTable is created



The screenshot shows a database tool interface. The SQL editor contains the following queries:

```
5  
6 • select * from employee_details_a;  
7  
8 • select * from emp_course_a;  
9
```

The result grid displays the data for the 'emp\_course\_a' join table:

EmpId	Session_Id
1	1
1	2
2	1

**Note:** source coded attached in a folder.