

# Hibernate Assignment

## Maithreyan K

Employee [id, firstName LastName]

OneToOneMapping with EmployeeDetails[phone and email]

OneToMany with Address [without Jointable] [Address has streetName,city,pincode]

ManyToMany[Courses] Only 1 Join Table. [Course has CourseName]

### 1) Employee [id, firstName LastName]

	Id	First_Name	Last_Name
▶	1	Maithreyan	Kesavan
	2	Ashwin	Thanraj
•	NULL	NULL	NULL

```
@Entity
@Getter
@Setter
@NoArgsConstructor
@Table(name="EmployeeTable")
public class Employee {
    @Id
    @GeneratedValue(strategy = GenerationType.IDENTITY)
    @Column(name="Id" )
    private int EmployeeId;
    @Column(name = "First_Name", length = 25)
    private String firstName;
    @Column(name = "Last_Name")
    private String lastName;
```

## 2)OneToOneManpping with EmployeeDetails[phone and email]

email	phone	employee_empId
surya@gmail.com	9988776655	1
ash@gmail.com	9897969594	2
NULL	NULL	NULL

```
@Entity
@Setter
@Getter
@NoArgsConstructor
public class EmployeeDetails {

    @Id
    @GeneratedValue(strategy = GenerationType.IDENTITY)
    private int id;

    private String phone;

    private String email;

    @OneToOne
    @MapsId
    private Employee employee;

}
```

### 3)OneToMany with Address [without Jointable] [Address has streetName,city,pincode]

addressId	city	employeeId	pinCode	streetName
1	Chennai	1	600013	Royapuram
2	Coimbatore	1	641014	kumaran Nagar
3	Thirunelveli	2	674444	chinna theru

```
@Entity
@Getter
@Setter
@NoArgsConstructor
public class Address {

    @Id
    @GeneratedValue(strategy = GenerationType.IDENTITY)
    private int addressId;

    private String streetName;

    private String city;

    private int pinCode;

    private int employeeId;

    public Address(String streetName, String city, int pinCode) {
        this.streetName = streetName;
        this.city = city;
        this.pinCode = pinCode;
    }
}
```

#### 4) ManyToMany[Courses] Only 1 Join Table.

	employees_Id	iLearn_SessionId
▶	1	1
	1	2
	2	2

```
@Entity
@Getter
@Setter
public class ILearnSessions {
    @Id
    @GeneratedValue(strategy = GenerationType.IDENTITY)
    private int SessionId;

    @Column
    private String SessionName;

    @ManyToMany(mappedBy = "iLearn")
    private Collection<Employee> employees= new HashSet<>();
}
```