

# INHERITANCE MAPPING WITH HIBERNATE

Bernardo Cuteri

*Slides provided by Carmine Dodaro*

# INHERITANCE EXAMPLE

```
class Member
{
    private Integer id;
    private String first_name;
    private String last_name;
}
```

```
class Student extends Member
{
    private Double avg_score;
}
```

```
class Professor extends Member
{
    private Double salary;
}
```

## Types of inheritance

- Table per class hierarchy
- Table per subclass
- Table per concrete class

# TABLE PER CLASS HIERARCHY (SINGLE\_TABLE)

Member

- `id`
- `first_name`
- `last_name`
- `avg_score`
- `salary`
- `discriminator`

# TABLE PER SUBCLASS (TABLE\_PER\_CLASS)

## Student

- `id_member`
- `first_name`
- `last_name`
- `avg_score`

## Professor

- `id_member`
- `first_name`
- `last_name`
- `salary`

# TABLE PER CONCRETE CLASS (JOINED)

## Member

- id
- first\_name
- last\_name

## Student

- id\_member
- avg\_score

## Professor

- id\_member
- salary