



Hibernate with Annotations

Agenda

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Simple Annotation based Program

Working with Annotations

No Mapping file

- In Hibernate we saw Object-Relational mapping is done through xml file with extension .hbm.xml
- With Hibernate 3.0 onwards mapping is done using Annotations
- External mapping files (.hbm.xml) is not required
- While designing the bean (persistent) class we give the mapping to the database tables and its columns using Annotations
- Annotations are imported from **javax.persistence**

Working with Annotations

Persistent Class Annotations

Annotation	Description
@Entity	Marks the class as persistent entity class
@Table	Marks the table name in the database where the data of the class to be persisted; If not used the class name is taken as table name by default
@Id	Marks the Identifier of the entity
@Column	Marks the attributes to the columns; if not used takes attribute names as default

Working with Annotations

Some @Column Annotation's attributes

Attributes	Description
Name	Represents the column name in the table By default the attribute name represents the column name
Length	Length of the column to be represented at the table default length of String is 256
Nullable	Boolean value to mark null or not null column
Unique	Sets the column to have unique data

Working with Annotations

```
@Entity
@Table(name="STUDENT_TBL")
public class Student {
    @Id
    @Column(name="stdid")
    private int studentId;
    @Column(name="stdName",length=20,nullable=false)
    private String studentName;
    private String course;
    public Student() {
        super();
        // TODO Auto-generated constructor stub
    }
    public int getStudentId() {
        return studentId;
    }
    public void setStudentId(int studentId) {
        this.studentId = studentId;
    }
}
```

```
public String getStudentName() {
    return studentName;
}
public void setStudentName(String studentName) {
    this.studentName = studentName;
}
public String getCourse() {
    return course;
}
public void setCourse(String course) {
    this.course = course;
}
@Override
public String toString() {
    return "Student [studentId=" + studentId + ",
        studentName=" + studentName + ", course=" + course
        + "]";
}
}
```

For Sample Program Refer : [Hibernate with Annotations.pdf](#)



Thank You