Hibernate Annotation XML

In this chapter, we will discuss some important Annotations and correspond XML tags which we will use very frequently while coding using Hibernate.

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| **Hibernate Annotation** | **Description** |
| **@Entity** | **Declares a POJO as an Entity or Persistence Object** |
| **@Table** | **Denotes the mapping table for an Entity.** |
| **@ID** | **Declares the identifier property of an entity** |
| **@GeneratedValue** | **Generate (auto-increment) the id column** |
| **@Column** | **Mapping the Entity field with Database Column.** |
| **@Version** | **Control versioning use for concurrency (Optimistic locking)** |
| **@Transient** | **Use for specify transient property** |
| **@OrderBy** | **Use for sorting result using the field.** |
| **@Lob** | **Use to store Large Object** |
| **@OneToOne** | **For One to one mapping with Other Entity** |
| **@ManyToOne** | **Use for many to one mapping** |
| **@OneToMany** | **Use for one to many mapping** |
| **@ManyToMany** | **Use for many to many mapping** |
| **@PrimaryKeyJoinColumn** | **Use for two entities sharing the same primary key** |
| **@JoinColumn** | **Use for two entities linked through associated Table .** |
| **@JoinTable** | **Use for two entities linked through an associated table.** |
| **@Inheritance** | **Use with Inheritance type for use different inheritance strategy in Hibernate** |
| **@DiscriminatorColumn** | **Use for identify Discriminate column for Different Subclass in Hibernate Inheritance** |
| **@DiscriminatorValue** | **Use for Discriminant value for Different Subclasses in Hibernate Inheritance** |

**Hibernate Xml Tag**

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| **Hibernate XML** | **Description** |
| **class** | **Declares a POJO as an Entity or Persistence Object** |
| **table** | **Denotes the mapping table for an Entity.** |
| **id** | **Declares the identifier property of an entity** |
| **generator** | **Generate (auto-increment) the id column** |
| **column** | **Mapping the Entity field with Database Column.** |
| **version** | **Control versioning use for concurrency (Optimistic locking)** |
| **transient** | **Use for specify transient property** |
| **order-by** | **Use for sorting result using the field.** |
| **lob** | **Use to store Large Object** |
| **one-to-one** | **For One to one mapping with Other Entity** |
| **many-to-one** | **Use for many to one mapping** |
| **one-to-many** | **Use for one to many mapping** |
| **many-to-many** | **Use for many to many mapping** |
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