# JPA and Hibernate Annotations Cheat Sheet

# JPA Annotations

- 1. @Entity: Specifies that a class is an entity and is mapped to a database table.
- @Table: Specifies the table name associated with an entity.
- Øld: Marks a field as the primary key of an entity.
- @GeneratedValue: Specifies the strategy for generating primary key. values.
- Ocolumn: Specifies the mapping for a database column.
- @Transient: Excludes a field from being persisted to the database.
- OneToOne: Defines a one-to-one relationship between two entities.
- 8. @OneToMany: Defines a one-to-many relationship between two entities.
- @ManyToOne: Defines a many-to-one relationship between two. entities.
- ManyToMany: Defines a many-to-many relationship between two. entities.
- 11.@JoinColumn: Specifies the foreign key column for a relationship.
- 12.@Embedded: Specifies a persistent field or property of an entity whose value is an instance of an embeddable class.
- @NamedQuery: Declares a named guery for an entity.
- 14.@NamedNativeQuery: Declares a named native SQL query for an entity.
- @Version: Specifies the version field for optimistic locking.

# Hibernate Annotations

- Cascade: Specifies the cascade behavior for associations.
- Fetch: Specifies the fetching strategy for associations.
- @LazyToOne: Specifies the lazy loading behavior for a to-one. association.
- @LazyCollection: Specifies the lazy loading behavior for a collection association.
- 5. @BatchSize: Specifies the batch size for loading a collection association.
- @Cacheable: Enables caching for an entity or a collection.
- Cache: Specifies the cache region and cache strategy for an entity or a collection.
- 8. @Formula: Defines a computed property using an SQL formula.
- @Naturalid: Marks a property as a natural identifier.
- 10.@Filter: Defines a filter condition to be applied to a collection association.
- 11.@Where: Specifies a SQL WHERE condition to be applied to a collection association.
- Type: Specifies the Hibernate type for a property.
- @Any: Maps a polymorphic association to any entity type...
- 14.@TypeDef: Defines a custom Hibernate type.

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