

aaj maine hibernate , mappings and annotations padhe hain hibernate framework me iske alawa kuch important hai jo pad sakte hai



Hibernate ek bahut bada framework hai jismein bahut saare features aur concepts hote hai. Kuch important topics aur concepts, jinhe aap study kar sakte hai, niche diye gaye hai:

1. **Hibernate Query Language (HQL):** Hibernate Query Language (HQL) ek powerful query language hai, jiska use hibernate ke databases se data retrieve, insert, update aur delete karne ke liye kiya jata hai. HQL ka syntax SQL ke syntax se kafi similar hai, lekin ismein object-oriented query language features bhi hai.
2. **Criteria API:** Criteria API, ek alternative option hai HQL ke sath data retrieve, insert, update aur delete karne ke liye. Iska use karte hue, aap runtime mein queries create kar sakte hai aur type-safe queries generate kar sakte hai.
3. **Caching:** Hibernate mein caching ek bahut bada concept hai. Hibernate caching ki madad se aap database queries ko cache mein store kar sakte hai, taki performance improve ho sake. Hibernate mein two types of caching hote hai: first-level caching aur second-level caching.
4. **Transactions:** Hibernate mein transactions bahut important hai. Transactions ki madad se, aap multiple database operations ko ek single atomic unit ke roop mein execute kar sakte hai. Isse data consistency aur integrity maintain hoti hai.
5. **Session Management:** Hibernate mein Session management bahut important hai. Session ek temporary object hai, jiska use aap database operations ke liye karte hai. Session management ki madad se, aap session ko open aur close kar sakte hai, aur session factory ki madad se multiple sessions create kar sakte hai.
6. **Connection Pooling:** Connection pooling bahut important hai hibernate ke liye. Connection pooling ki madad se, aap database connections ko reuse kar sakte hai. Isse database performance improve hoti hai aur overhead kam hota hai.
7. **Annotations:** Annotations bahut important hai hibernate ke liye. Annotations ki madad se, aap entity classes ko annotate kar sakte hai, jisse hibernate inhe map kar sakta hai. Kuch important annotations, jaise @Entity, @Table, @Column, @Id, @GeneratedValue, @OneToMany, @ManyToOne, @OneToOne, @ManyToMany, @JoinTable, etc., hibernate ke liye bahut important hai.

Ye kuch important topics hai, jinhe aap study kar sakte hai hibernate ke alawa. Inme se kuch topics advance hai aur आपको inhe padhne mein thoda time lag sakta hai, lekin ye आपके hibernate knowledge ke liye bahut important hai.