**3. Hibernate CRUD Example**

**Writing HQL (Hibernate Query Language):**

**• Theory:**

1. **Basics of HQL and how it differs from SQL:-**

1. What is HQL?

Hibernate Query Language (HQL) is an object-oriented query language used to interact with a database in Hibernate. Unlike SQL, which works directly with tables and columns, HQL works with Java objects (entities).

**HQL is database-independent** because it operates on entity classes, not tables.

1. **How to perform CRUD operations using HQL:-** HQL (Hibernate Query Language) allows performing CRUD operations (Create, Read, Update, Delete) using entity classes instead of database tables.
2. **Introduction to the Criteria API for dynamic queries:-** The Criteria API is an alternative to HQL and SQL, allowing us to build dynamic queries in a type-safe and object-oriented manner. It is especially useful when query conditions change at runtime.