Steps to create a hibernate project

1. Download hibernate and mysql [ or any database] jar files
2. Create a java project
   1. Add jar files in the build path
   2. Create hibernate configuration file : hibernate.cfg.xml
      1. database connection parameters : driver, url, username and password
      2. show sql : true
      3. context\_thread\_session: thread, getCurrentSession()
      4. hbm2ddl property : DO NOT ENABLE THIS IN REAL TIME APPLICATION
      5. dialect : MySql8Dialect
      6. <mapping class=””>
   3. Create java class and annotate
      1. @Entity : Marks the class as a database managed entity   
         **This class should have a default constructor**
      2. @Table : allows to specify the details of the table to be mapped with java class
      3. @Id : to map java property with the primary key
      4. @Column : to map java property with database column name
      5. @GeneratedValue : to provide the id generation strategy
      6. @OneToOne : used to map has-a java relationship with database primary and foreign key:
      7. @JoinColumn: to specify the name of the join column between 2 tables
      8. Unidirectional and Bidirectional mapping.
      9. For bidirectional use mappedBy attribute
      10. @Embedded and @Embeddable
      11. Eager and lazy fetching
      12. Cascading
   4. Load the configuration file: Configuration class which is responsible to load the configuration file and build the Session Factory object
   5. Save
   6. Update
   7. Get and load
   8. createQuery()
   9. delete

HQL

https://what-when-how.com/hibernate/advanced-query-options-hibernate/