Note: You can use XML-based hibernate mapping or annotation-based for any of the questions.

Q1 What does ORM stands for? Explain it briefly

Q2 What is the name of the default hibernate configuration file? What is the property name that is used to automatically create the table in case the table is not there.

Q3 What if the name of the hibernate mapping file? Give an example of it and a corresponding example using annotations.

Q4 What does CRUD stands for? Give an example of each

Q5 What are the benefits of using Hibernate Criteria API over regular SQL statements

Q6 Given an example of each of the following relationships 1:1, 1:M, M: M, M:1
(one to one, one to many, many to many, many to one)

Q7 Make a class Product with fields (id, name, price) where id is generated through your custom ID generator class. The ids should be generated sequentially starting from 1.

Q8 Write Class User with fields (id, message). Insert some entries using Hibernate into the table. Write an HQL query to find the user who has sent the maximum number of messages.

Q9 Write a Cat class with a name, weight, and age. Insert some random values in the Cat table. Write a code using criteria API to return the list of cats in the table such that the name starts with the letter **m** with a weight greater than **2**. The output of the criteria API should be **ordered by age in ascending order.**

Q10 Write a Store class with fields name, address, and id. And a class called Product with fields id, name, store_id. Identify which type of relationship is there between Store and Product (1:1, 1:M, M: M, M:1) Express that using Hibernate annotations. The id for both of these classes should be generated sequentially. Design the classes with annotations. The deletion of any Store should also delete the corresponding rows in the Product table.