

Short Answer:

Answer the following questions with complete sentences in your own words. You are encouraged to conduct your own research online or through other methods before answering the questions. If you research online, please consult multiple sources before you write down your answers. You are expected to be able to explain your answers in detail (Provide examples to each question).

1. What is ORM and why is it helpful?
2. What is Hibernate and what is its advantage?
3. What is Connection Pool and what is its advantage?
4. What are some of the configurations for Connection Pool?
5. What is a Session and how do we get a Session?
6. What is a SessionFactory and how do we get a SessionFactory?
7. If an application uses Hibernate for persistent logic and uses MySQL as persistent store, what are the steps that we need to do if the application want to switch to OracleDB from MySQL? (Assume table structures remain the same)
8. What are different entity states defined in Hibernate? Explain each state.
9. What are the methods can be used to transfer an entity between different states?
10. What is the difference between get() and load()?
11. What is the difference between save() and persist()?
12. What is the difference between update(), merge() and saveOrUpdate()?