HIBERNATE 5.X

K.Ramesh

SNO	TOPICS
1	Introduction, Architecture and Steps
2	First Program using Hibernate Framework [Installation]
3	Configuration and Mapping files [by refering .dtd files]
4	Executing first program and debugging and analyzing logs
5	CRUD operations [Bind variables, POJO states]
6	CRUD operations [lazy vs eager, persist(), merge(), load() and get() methods]
7	CRUD operations [Batch operations]
8	Case study [DAO Implementation without annotations, Logging API]
9	Hibernate Project1 [Reverse Engineering using Hibernate Tools]
10	Primary Key Generators [sequence, identity, native, etc], Multiple DBs
11	Associations [one-to-may]
12	Associations [inverse, lazy, cascade attributes]
13	Associations [one-to-one]
14	Case study on Associations
15	SQL and HQL queries
16	Named queries and Criteria queries
17	Second Level Cache
18	JPA Annotations
19	Hib Project2 [JPA Project using JPA Tools]

20	**HIBERNATE Project Using MAVEN**
	    1) JPA annotations
	    2) Second Level Cache
	    3) Bind Variables
	    4) HQL / OQL queries
	    5) Associations
	    6) DAO Design Pattern
	    7) DataSource (Connection Pooling)
	    8) Primary Key Generator (Sequence)
	    9) Logging API
	    10) Maven
	    11) Project structure

21	Interview questions, Resume Preparation