Phase 2

Day 4

**13 Dec 2023**

HibernateExamples

Maven project

We need add dependencies

Trainer

Tid PK

Tname

Student

Course

Etc

If we want to use retrieve query hibernate provide there own query language ie

HQL (Hibernate Query Language)

select t from Trainer t here Trainer ie entity class name and case sensitive. t is object. using t we are retrieve all property of Trainer entity class. in HQL we can’t use \*.

from Trainer t;

from Trainer Trainer is entity class.

select t.tname from Trainer t; Trainer is entity class t object and tname is variable name of Trainer entity class.

select t.tid, t.tname from Trainer t;

SQL (Structured Query Language)

Select \* from tableName;

select \* from trainer; trainer is table name not a case sensitive. \* mean all column from table.

Select tname from Trainer retrieve only one column name.

Select tid from Trainer

Select tid,tname from Trainer retrieve more than one column but not all columns.

Trainer to Student : one to many relationship

Trainer table -🡪

Tid(PK) TName (non key attribute)

101 VijajKuamar

102 Rajesh

Student table 🡪

SID(PK) SName age TSID(FK) :

1 Seeta 21 101

2 Reeta 22 101

3 Meeta 23 102

4 Leeta 24 null

Primary key : in single table we can create only one column as pk. If column is pk that column doesn’t allow duplicate as well as null value.

Foreign key is use to connect pk for same or another table. FK allow only those value which present in PK. It can allow null. Value.

create table trainer(tid int primary key,tname varchar(30));

create table student(sid int primary key,sname varchar(30), age int, tsid int, foreign key(tsid) references trainer(tid));

One Trainer can handle more than one students.

One to many relationship.

In database using PK and FK.