Day 6 : 18 Sep 2024

Limitation of Jdbc or JdbcTemplate

1. Using JDBC we can’t store the record in database as object as well as we can’t retrieve object from database. We need to convert object to query or query to object in DAO layer.
2. JDBC throw check exception and Exception hierarchy is database dependent. Exception hierarchy is database dependent.
3. JDBC use SQL and SQL is database dependent.
4. JDBC doesn’t support relationship ie is a (inheritance) has a (inside one class creating another class objects).

ORM : Object Relation Mapping

ORM is a tool or concept like OOPS. In Programming language object and database table also known as relation.

OOPs language database

@Entity

class Product { Product table

@Id

pid,pname,price variables PID,PName,Price are column

}

Mapping

Product (class) ---- Product table

Pid --- PID PK

PName –PNAME

Price – PRICE

Old version ORM tool we are/were doing this mapping using xml.

Now way day we can do this mapping using annotation.

@Entity : this annotation we need to write on Java bean class.

@Id: this annotation we need to use on property that property which map to colum with PK.

@Table this annotation we need to use on class level. If table name or java bean class name different.