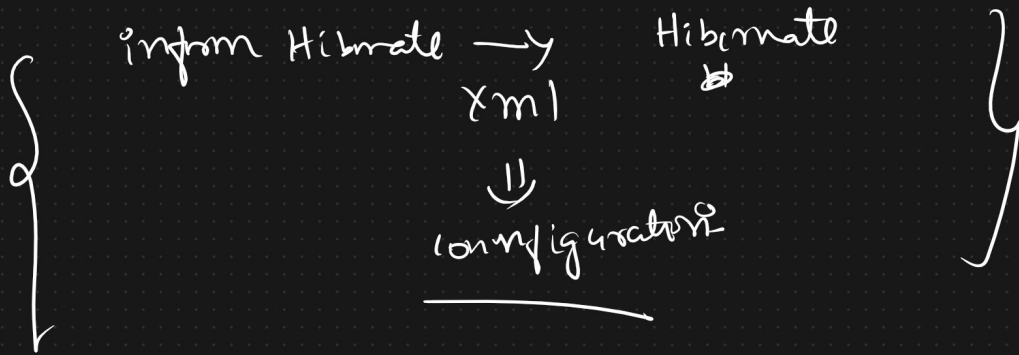


## => Hibernate :- ORM

⇒ Hard code sql queries X ⇒ Taken care By Hibernate  
↓



Hibernate  $\Rightarrow$  Third party  $\Rightarrow$  JAR  $\Rightarrow$  project

JDBC  $\Rightarrow$  mysql  $\rightarrow$  jar  $\rightarrow$  class file  
 $\Downarrow$   
 compiled java file

Hibernate  $\Rightarrow$  JAR  $\Rightarrow$  Add to our project ecosystem

⇒ Hibernate ⇒ internally uses JDBC API & Transaction.

## Transcription

$\{ \equiv \}$  money Deducted  
 $\{ \equiv \}$  update  
 $\equiv \rightarrow$  created Target account

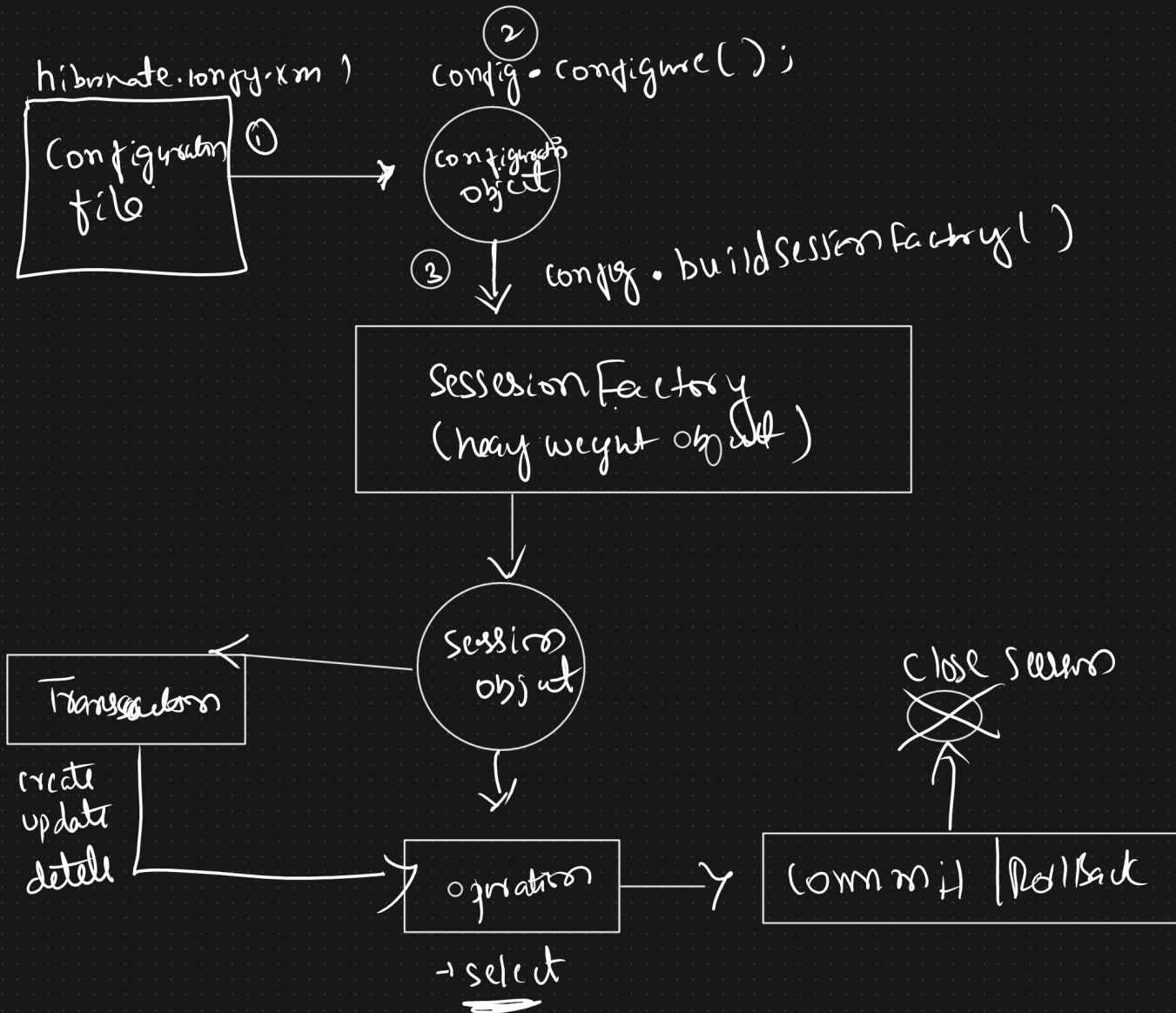
After creating a class which we want to map with DB

## Annotations :-

@Entity ==> To Specify the class name to map with table name

@Id ==> To Specify primary key column name, which mapped to field of an entity

@Column ==> To Specify the column name which is mapped with field of an entity .



To perform insertion operation we can use `save()` of session Object.

Also in hibernate configuration file we must use create property

```
<!-- To inform Hibernate to use existing table or to create new table -->
<property name="hbm2ddl.auto">create</property>
```

To perform update operation we can two of the following methods

- a) `update()`
- b) `saveOrUpdate()`;

a) `update()` ==> we need to ensure primary key value used for searching the record should be available otherwise it would result in Exception `org.hibernate.StaleObjectStateException`

b) saveOrUpdate() ==> this method first perform select operation:

==> if record is found based on id then it will update

==> if record is not found then it will perform insert operation

Retreival operation : it means selecting record based on primary key of the table  
using two methods we can do it :

a)get()

b)load()