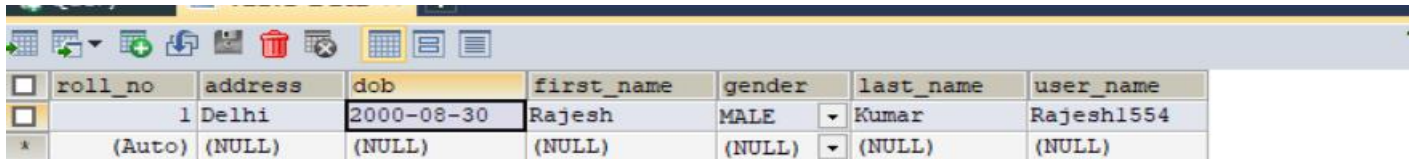


Hibernate School Application

1. Database Connection & Insertion Operation

```
Aug 10, 2025 9:31:29 PM org.hibernate.resource.transaction.backend.jdbc.internal.UdiTransactionIsolatorNonJtaImpl getIsolatedConnection
INFO: HHH10001501: Connection obtained from JdbcConnectionAccess [org.hibernate.engine.jdbc.env.internal.JdbcEnvironmentInitiator$ConnectionProviderJdbcConnectionAccess@13c8ac77] for (non-JTA) DDL execut
Hibernate:
create table school_user (
  roll_no integer not null auto_increment,
  address varchar(100),
  dob date,
  first_name varchar(50) not null,
  gender enum ('MALE','FEMALE','OTHER') not null,
  last_name varchar(50) not null,
  user_name varchar(30) not null,
  primary key (roll_no)
) engine=InnoDB
Hibernate:
alter table school_user
drop index UK_la7tjqg3tvnxm1jeleodg9aq6
Hibernate:
alter table school_user
add constraint UK_la7tjqg3tvnxm1jeleodg9aq6 unique (user_name)
Hibernate:
insert
into
  school_user
(address, dob, first_name, gender, last_name, user_name)
values
  (?, ?, ?, ?, ?, ?)
User inserted into Database: SchoolUser{rollno=1, firstname='Rajesh', lastname='Kumar', username='Rajesh1554', gender=MALE, address='Delhi', dob=2000-08-30}
Hibernate:
select
  su1_0.roll_no,
  su1_0.address,
  su1_0.dob,
  su1_0.first_name,
  su1_0.gender,
  su1_0.last_name,
  su1_0.user_name
from
  school_user su1_0
where
  su1_0.roll_no=?
User fetched from Database: SchoolUser{rollno=1, firstname='Rajesh', lastname='Kumar', username='Rajesh1554', gender=MALE, address='Delhi', dob=2000-08-30}
```



	roll_no	address	dob	first_name	gender	last_name	user_name
	1	Delhi	2000-08-30	Rajesh	MALE	Kumar	Rajesh1554
*	(Auto)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)

2. Fetch operation From Database Printed in console

```
User inserted into Database: SchoolUser{rollno=1, firstname='Rajesh', lastname='Kumar', username='Rajesh1554', gender=MALE, address='Delhi', dob=2000-08-30}
Hibernate:
select
  su1_0.roll_no,
  su1_0.address,
  su1_0.dob,
  su1_0.first_name,
  su1_0.gender,
  su1_0.last_name,
  su1_0.user_name
from
  school_user su1_0
where
  su1_0.roll_no=?
User fetched from Database: SchoolUser{rollno=1, firstname='Rajesh', lastname='Kumar', username='Rajesh1554', gender=MALE, address='Delhi', dob=2000-08-30}
```

3. Update Operation

roll_no	address	dob	first_name	gender	last_name	user_name
1	Delhi	2000-08-30	Raj	MALE	Kumar	Rajesh1554
(Auto)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)

Hibernate:

```
update
  school_user
set
  address=?,
  dob=?,
  first_name=?,
  gender=?,
  last_name=?,
  user_name=?
where
  roll_no=?
```

User updated: SchoolUser{rollno=5, firstname='Raj', lastname='Kumar', username='Rajesh1754843007653', gender=MALE, address='Delhi', dob=2000-08-30}

4. Delete User From the Database

User fetched from Database: SchoolUser{rollno=8, firstname='Rajesh', lastname='Kumar', username='Rajesh1754843367137', gender=MALE, address='Delhi', dob=2000-08-30}

Hibernate:

```
select
  su1_0.roll_no,
  su1_0.address,
  su1_0.dob,
  su1_0.first_name,
  su1_0.gender,
  su1_0.last_name,
  su1_0.user_name
from
  school_user su1_0
where
  su1_0.roll_no=?
```

Hibernate:

```
delete
from
  school_user
where
  roll_no=?
```

User with rollno 8 deleted successfully.

Fetching user to confirm deletion...