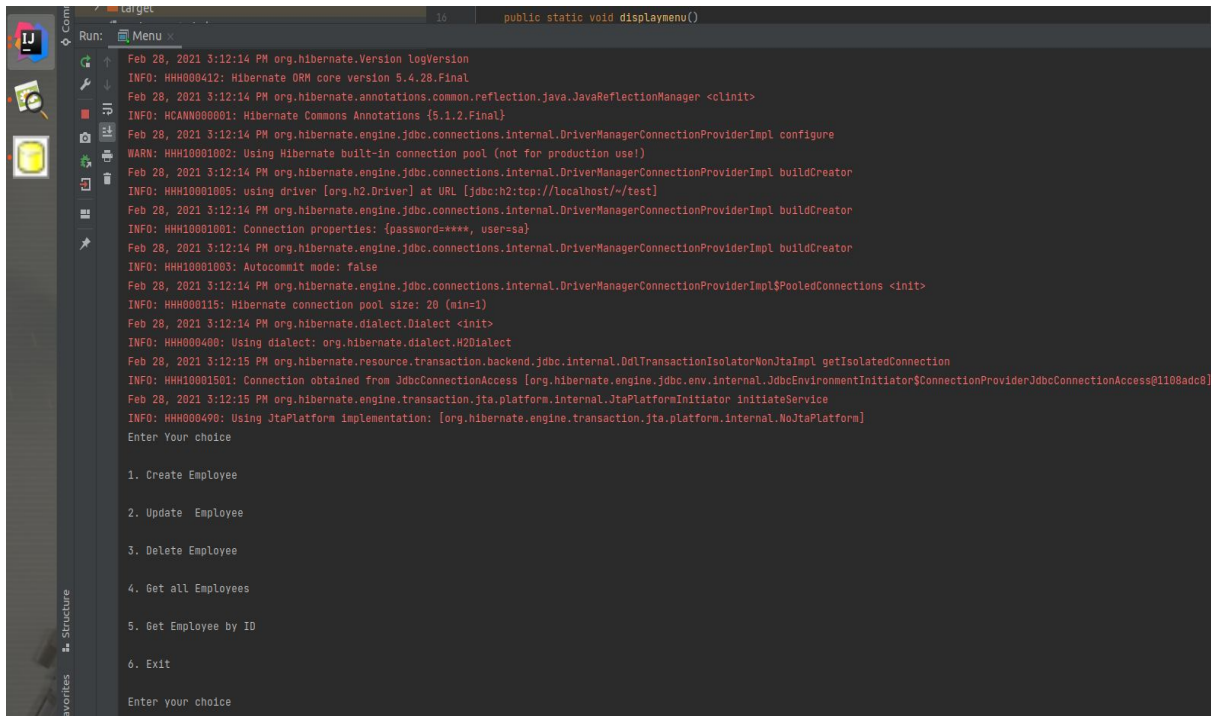


1.



```
Run: Menu x
Feb 28, 2021 3:12:14 PM org.hibernate.Version logVersion
INFO: HHH0000412: Hibernate ORM core version 5.4.28.Final
Feb 28, 2021 3:12:14 PM org.hibernate.annotations.common.reflection.java.JavaReflectionManager <clinit>
INFO: HCAN0000001: Hibernate Commons Annotations {5.1.2.Final}
Feb 28, 2021 3:12:14 PM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl configure
WARN: HHH10001002: Using Hibernate built-in connection pool (not for production use!)
Feb 28, 2021 3:12:14 PM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl buildCreator
INFO: HHH10001005: using driver [org.h2.Driver] at URL [jdbc:h2:tcp://localhost/~/test]
Feb 28, 2021 3:12:14 PM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl buildCreator
INFO: HHH10001001: Connection properties: {password=****, user=sa}
Feb 28, 2021 3:12:14 PM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl buildCreator
INFO: HHH10001003: Autocommit mode: false
Feb 28, 2021 3:12:14 PM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl$PooledConnections <init>
INFO: HHH000115: Hibernate connection pool size: 20 (min=1)
Feb 28, 2021 3:12:14 PM org.hibernate.dialect.Dialect <init>
INFO: HHH000400: Using dialect: org.hibernate.dialect.H2Dialect
Feb 28, 2021 3:12:15 PM org.hibernate.resource.transaction.backend.jdbc.internal.DdlTransactionIsolatorNonJtaImpl getIsolatedConnection
INFO: HHH10001501: Connection obtained from JdbcConnectionAccess [org.hibernate.engine.jdbc.env.internal.JdbcEnvironmentInitiator$ConnectionProviderJdbcConnectionAccess@1108adc8]
Feb 28, 2021 3:12:15 PM org.hibernate.engine.transaction.jta.platform.internal.JtaPlatformInitiator initiateService
INFO: HHH000490: Using JtaPlatform implementation: [org.hibernate.engine.transaction.jta.platform.internal.NoJtaPlatform]
Enter Your choice

1. Create Employee
2. Update Employee
3. Delete Employee
4. Get all Employees
5. Get Employee by ID
6. Exit
Enter your choice
```

Create Employee



```
Enter Your choice
1. Create Employee
2. Update Employee
3. Delete Employee
4. Get all Employees
5. Get Employee by ID
6. Exit
Enter your choice
1
Enter First Name
Syed
Enter Last Name
Maqthyar
Enter Age
35
Enter Salary
30000
Enter DOB (dd-mm-yyyy)
27-08-1985
Enter Designation
Analyst
Hibernate: call next value for hibernate_sequence
Hibernate: insert into Employee (age, designation, dob, fname, lname, salary, id) values (?, ?, ?, ?, ?, ?, ?)
New Employee added
```

pc:h2:~/test

EMPLOYEE
INFORMATION_SCHEMA
Sequences
Users
H2 1.4.199 (2019-03-13)

Run Run Selected Auto complete Clear SQL statement:

select * from EMPLOYEE;

select * from EMPLOYEE;

ID	AGE	DESIGNATION	DOB	FNAME	LNAME	SALARY
7	35	Analyst	27-08-1985	Syed	Maqthyar	30000

(1 row, 2 ms)

Edit

Update Employee

INFORMATION_SCHEMA
Sequences
Users
H2 1.4.199 (2019-03-13)

select * from EMPLOYEE;

select * from EMPLOYEE;

ID	AGE	DESIGNATION	DOB	FNAME	LNAME	SALARY
7	35	Analyst	27-08-1985	Syed	Maqthyar	30000
8	19	Intern	23-08-1989	John	Doe	24000
9	35	CEO	30-03-1989	Joe	Denly	60000

(3 rows, 1 ms)

Edit

```
Run: MENU
Enter Your choice
1. Create Employee
2. Update Employee
3. Delete Employee
4. Get all Employees
5. Get Employee by ID
6. Exit
Enter your choice
2
Enter Employee ID to Update
8
Enter the field to update
1.Firstname
2.Lastname
3.Age
4.Salary
5.DOB
6.Designation
1
Hibernate: select employee0_.id as id1_0_0_, employee0_.age as age2_0_0_, employee0_.designation as designat3_0_0_, employee0_.dob as dob4_0_0_, em
Enter New Firstname
Aarav
Firstname Updated
Hibernate: update Employee set age=?, designation=?, dob=?, fname=?, lname=?, salary=? where id=?
Feb 28 2021 3:19:04 PM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProvider configure
```

After updating the first name of ID = 8

dbc:h2:~/test
EMPLOYEE
INFORMATION_SCHEMA
Sequences
Users
H2 1.4.199 (2019-03-13)

Run Run Selected Auto complete Clear SQL statement:
select * from EMPLOYEE;

select * from EMPLOYEE;

ID	AGE	DESIGNATION	DOB	FNAME	LNAME	SALARY
7	35	Analyst	27-08-1985	Syed	Maqthyar	30000
8	19	Intern	23-08-1989	Aaron	Doe	24000
9	35	CEO	30-03-1989	Joe	Denly	60000

(3 rows, 3 ms)
Edit

Delete Employee

```
INFO: HHH10001501: Connection obtained from JdbcConnectionAccess [org.hibernate.engine.jdbc.env.internal.JdbcEnvironmentInitiator$ConnectionProviderJdbcC
Feb 28, 2021 3:19:06 PM org.hibernate.engine.transaction.jta.platform.internal.JtaPlatformInitiator initiateService
INFO: HHH0000490: Using JtaPlatform implementation: [org.hibernate.engine.transaction.jta.platform.internal.NoJtaPlatform]
Enter Your choice

1. Create Employee
2. Update Employee
3. Delete Employee
4. Get all Employees
5. Get Employee by ID
6. Exit

Enter your choice
3

Enter ID of Employee to delete
9
Warning: this can't be recovered
Press Y/y to confirm...
y
Hibernate: select employee0_.id as id1_0_0_, employee0_.age as age2_0_0_, employee0_.designation as designat3_0_0_, employee0_.dob as dob4_0_0_, employee
Employee deleted
Hibernate: delete from Employee where id=?
Feb 28, 2021 3:21:08 PM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl configure
```

After Deletion

RunRun SelectedAuto completeClearSQL statement:

HEMA

3)

select * from EMPLOYEE;

ID	AGE	DESIGNATION	DOB	FNAME	LNAME	SALARY
7	35	Analyst	27-08-1985	Syed	Maqthyar	30000
8	19	Intern	23-08-1989	Aaron	Doe	24000

(2 rows, 2 ms)

Edit

Get all Employees

```
INFO: HHH10001501: Connection obtained from JdbcConnectionAccess [org.hibernate.engine.jdbc.env.internal.JdbcEnvironmentInitiator$ConnectionProviderJdbcConnectionAccess@1c9fbb61] for (non-JTA) DDL execution was
Feb 28, 2021 3:21:08 PM org.hibernate.engine.transaction.jta.platform.internal.JtaPlatformInitiator initiateService
INFO: HHH000490: Using JtaPlatform implementation: [org.hibernate.engine.transaction.jta.platform.internal.NoJtaPlatform]
Enter Your choice

1. Create Employee
2. Update Employee
3. Delete Employee
4. Get all Employees
5. Get Employee by ID
6. Exit

Enter your choice
4

Hibernate: select employee0_.id as id1_0_, employee0_.age as age2_0_, employee0_.designation as designat3_0_, employee0_.dob as dob4_0_, employee0_.fname as fname5_0_, employee0_.lname as lname6_0_, employee0_.salary as salary7_0_ from employee0_
Employee details
Employee{id=7, fname='Syed', lname='Maqthyar', age=35, salary=30000, dob='27-08-1985', designation='Analyst'}
Employee{id=8, fname='Aaron', lname='Doe', age=19, salary=24000, dob='23-08-1989', designation='Intern'}
Feb 28, 2021 3:22:58 PM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl configure
```

Get Employee by ID

```
INFO: HHH000490: Using JtaPlatform implementation: [org.hibernate.engine.transaction.jta.platform.internal.NoJtaPlatform]
Enter Your choice

1. Create Employee
2. Update Employee
3. Delete Employee
4. Get all Employees
5. Get Employee by ID
6. Exit

Enter your choice
5

Enter employee ID
7

Employee Detail
Hibernate: select employee0_.id as id1_0_, employee0_.age as age2_0_, employee0_.designation as designat3_0_, employee0_.dob as dob4_0_, employee0_.fname as fname5_0_, employee0_.lname as lname6_0_, employee0_.salary as salary7_0_ from employee0_ where employee0_.id=?
Employee{id=7, fname='Syed', lname='Maqthyar', age=35, salary=30000, dob='27-08-1985', designation='Analyst'}
Feb 28, 2021 3:23:25 PM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl configure
WARN: HHH10001002: Using Hibernate built-in connection pool (not for production use!)
```

2.1

```
Assignment2_Q1 | src | main | java | com | assignment | ecommerce | Index | main
Project | Index.java | Supplier.java | hibernate.cfg.xml | Product.java | Categories.java
Run: | Index
Hibernate: alter table Categories_Supplier add constraint FKq8aa41jwyivxvylu6bxlgf9x foreign key (Categories_Category_Id) references Categories
Hibernate: alter table Product add constraint FK68jvh8r7gmbciiryrla74m3a9 foreign key (category_Category_Id) references Categories
Hibernate: alter table Supplier_Categories add constraint FK426lnnbll2ekd88xljc3frcw3 foreign key (categories_Category_Id) references Categories
Hibernate: alter table Supplier_Categories add constraint FK759xhnomysyls13icbhicw0niy foreign key (Supplier_Supplier_Id) references Supplier
Feb 28, 2021 8:02:17 PM org.hibernate.resource.transaction.backend.jdbc.internal.DdlTransactionIsolatorNonJtaImpl getIsolatedConnection
INFO: HHH10001501: Connection obtained from JdbcConnectionAccess [org.hibernate.engine.jdbc.env.internal.JdbcEnvironmentInitiator$ConnectionProviderJdbcConnectionAccess@859ea42]
Feb 28, 2021 8:02:17 PM org.hibernate.resource.transaction.backend.jdbc.internal.DdlTransactionIsolatorNonJtaImpl getIsolatedConnection
INFO: HHH10001501: Connection obtained from JdbcConnectionAccess [org.hibernate.engine.jdbc.env.internal.JdbcEnvironmentInitiator$ConnectionProviderJdbcConnectionAccess@2b037cfc]
Feb 28, 2021 8:02:17 PM org.hibernate.engine.transaction.jta.platform.internal.JtaPlatformInitiator initiateService
INFO: HHH000490: Using JtaPlatform implementation: [org.hibernate.engine.transaction.jta.platform.internal.NoJtaPlatform]
Hibernate: select categories_.Category_Id, categories_.name as name2_0_ from Categories categories_ where categories_.Category_Id=?
Hibernate: select supplier_.Supplier_Id, supplier_.name as name2_3_ from Supplier supplier_ where supplier_.Supplier_Id=?
Hibernate: select categories_.Category_Id, categories_.name as name2_0_ from Categories categories_ where categories_.Category_Id=?
Hibernate: select supplier_.Supplier_Id, supplier_.name as name2_3_ from Supplier supplier_ where supplier_.Supplier_Id=?
Hibernate: select categories_.Category_Id, categories_.name as name2_0_ from Categories categories_ where categories_.Category_Id=?
Hibernate: insert into Categories (name, Category_Id) values (?, ?)
Hibernate: insert into Supplier (name, Supplier_Id) values (?, ?)
Hibernate: insert into Product (category_Category_Id, name, Product_Id) values (?, ?, ?)
Hibernate: insert into Categories (name, Category_Id) values (?, ?)
Hibernate: insert into Supplier (name, Supplier_Id) values (?, ?)
Hibernate: insert into Product (category_Category_Id, name, Product_Id) values (?, ?, ?)
Hibernate: insert into Categories (name, Category_Id) values (?, ?)
Hibernate: insert into Product (category_Category_Id, name, Product_Id) values (?, ?, ?)
Hibernate: insert into Product (category_Category_Id, name, Product_Id) values (?, ?, ?)
Hibernate: insert into Categories_Supplier (Categories_Category_Id, supplier_Supplier_Id) values (?, ?)
Hibernate: insert into Categories_Supplier (Categories_Category_Id, supplier_Supplier_Id) values (?, ?)
Hibernate: insert into Supplier_Categories (Supplier_Supplier_Id, categories_Category_Id) values (?, ?)
Hibernate: insert into Supplier_Categories (Supplier_Supplier_Id, categories_Category_Id) values (?, ?)
Hibernate: insert into Supplier_Categories (Supplier_Supplier_Id, categories_Category_Id) values (?, ?)
Hibernate: insert into Supplier_Categories (Supplier_Supplier_Id, categories_Category_Id) values (?, ?)
Hibernate: insert into Categories_Supplier (Categories_Category_Id, supplier_Supplier_Id) values (?, ?)
Hibernate: insert into Categories_Supplier (Categories_Category_Id, supplier_Supplier_Id) values (?, ?)
Hibernate: insert into Supplier_Categories (Supplier_Supplier_Id, categories_Category_Id) values (?, ?)
Hibernate: insert into Supplier_Categories (Supplier_Supplier_Id, categories_Category_Id) values (?, ?)
Hibernate: insert into Categories_Supplier (Categories_Category_Id, supplier_Supplier_Id) values (?, ?)
Hibernate: insert into Categories_Supplier (Categories_Category_Id, supplier_Supplier_Id) values (?, ?)
Process finished with exit code 0
```

jdbsch2--test

CATEGORIES

CATEGORIES_SUPPLIER

EMPLOYEE

PRODUCT

SUPPLIER

SUPPLIER_CATEGORIES

INFORMATION_SCHEMA

Sequences

Users

H2 1.4.199 (2019-03-13)

Run | Run Selected | Auto complete | Clear SQL statement:

SELECT * FROM CATEGORIES;
SELECT * FROM CATEGORIES_SUPPLIER;
SELECT * FROM PRODUCT;
SELECT * FROM SUPPLIER;

201	C1
202	C2
203	C3

(3 rows, 0 ms)

SELECT * FROM CATEGORIES_SUPPLIER:		
------------------------------------	--	--

CATEGORIES_CATEGORY_ID	SUPPLIER_SUPPLIER_ID	
201	401	
201	403	
202	401	
202	402	
203	402	
203	403	

(6 rows, 0 ms)

SELECT * FROM PRODUCT:		
------------------------	--	--

PRODUCT_ID	NAME	CATEGORY_CATEGORY_ID
301	P1	201
302	P2	202
303	P3	203
304	P4	201

(4 rows, 0 ms)

SELECT * FROM SUPPLIER:	
-------------------------	--

| SUPPLIER_ID | NAME |

2.3

Run

Run Selected

Auto complete

Clear

SQL statement:

_SUPPLIER

TEGORIES

_SCHEMA

SELECT * FROM USERS;

SELECT * FROM SHARES ;

3-13)

SELECT * FROM USERS;

USER_ID	NAME
201	C1
202	C2
203	C3

(3 rows, 0 ms)

SELECT * FROM SHARES ;

SHARE_ID	NAME	USER_USER_ID
301	P1	201
302	P2	201
303	P3	202
304	P4	202
305	P5	203

(5 rows, 0 ms)