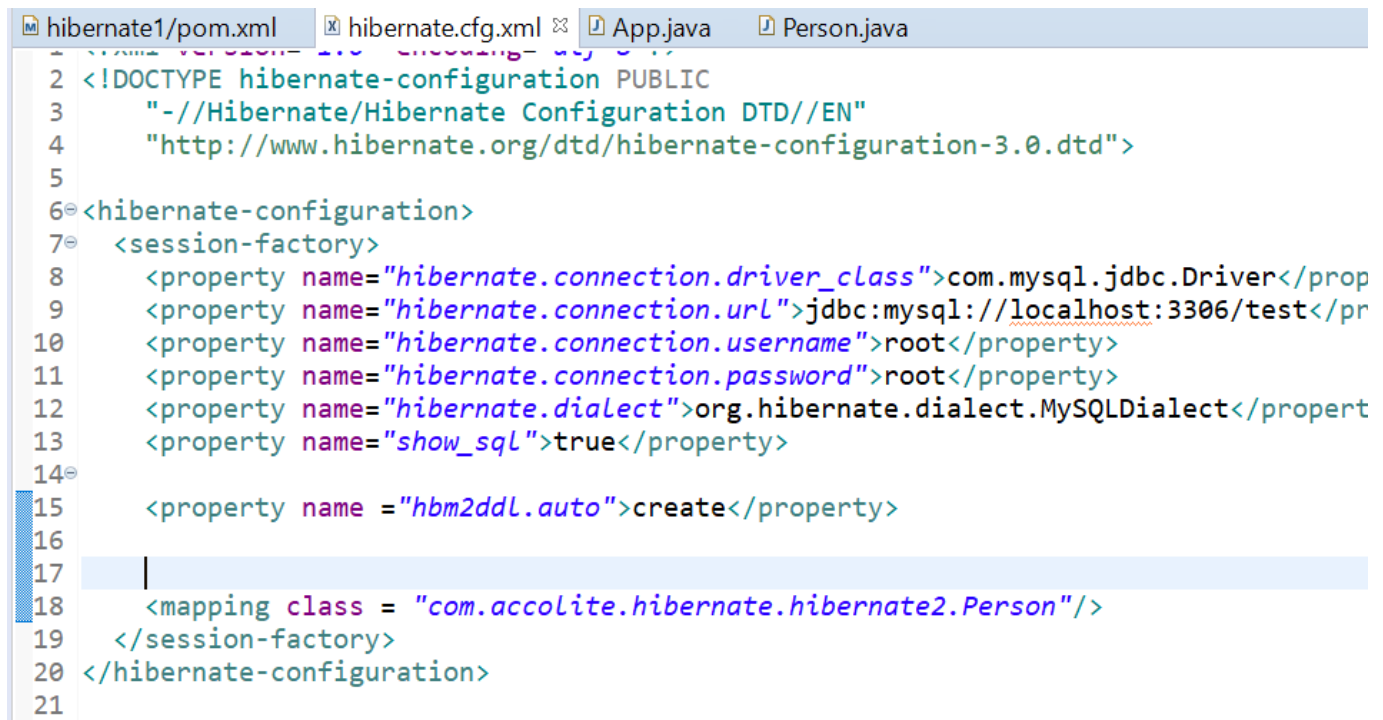


Hibernate Assignment

Create statement

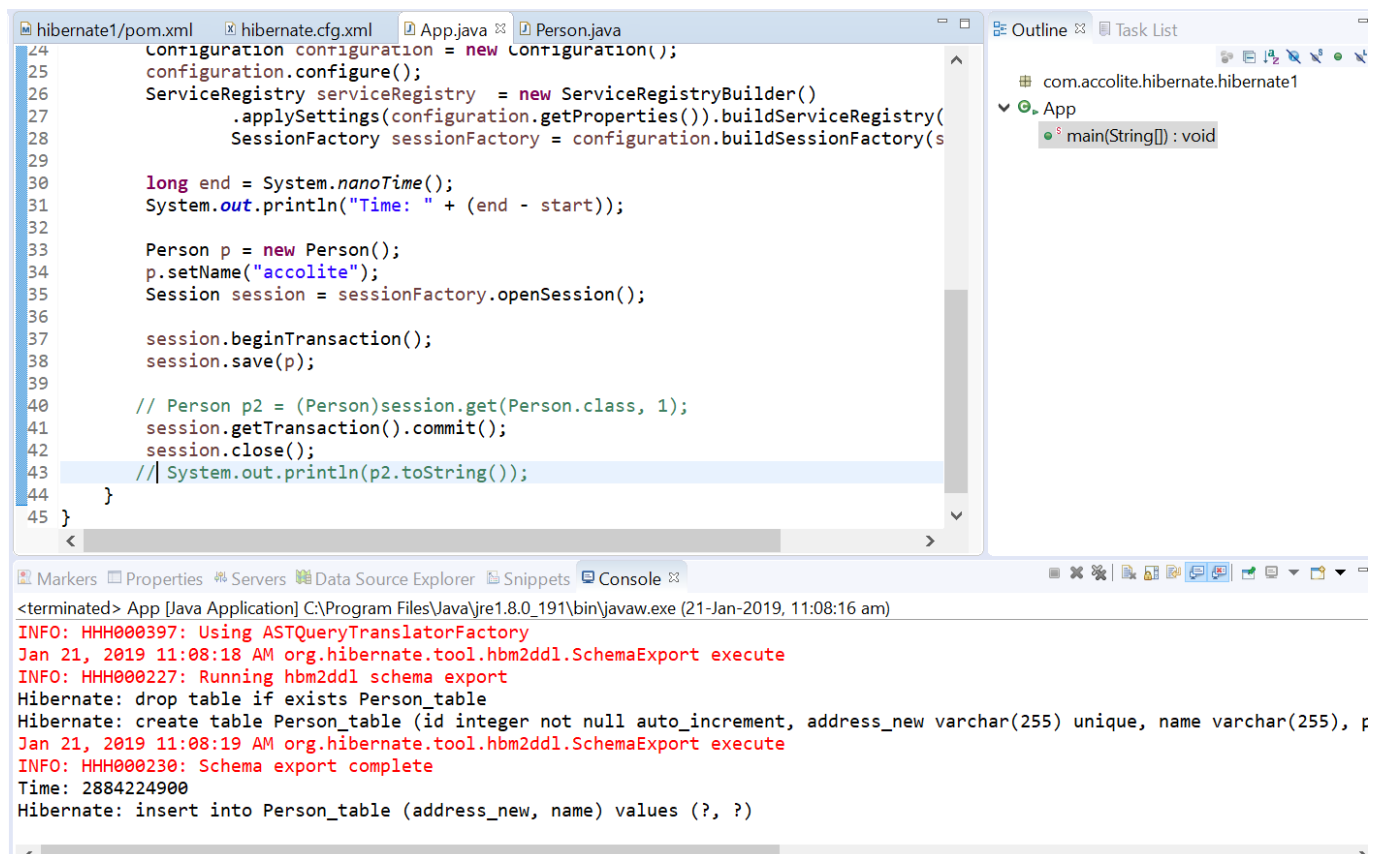


```

hibernate1/pom.xml  hibernate.cfg.xml  App.java  Person.java
1  <?xml version='1.0' encoding='utf-8'?>
2  <!DOCTYPE hibernate-configuration PUBLIC
3      "-//Hibernate/Hibernate Configuration DTD//EN"
4      "http://www.hibernate.org/dtd/hibernate-configuration-3.0.dtd">
5
6  <hibernate-configuration>
7      <session-factory>
8          <property name="hibernate.connection.driver_class">com.mysql.jdbc.Driver</prop
9          <property name="hibernate.connection.url">jdbc:mysql://localhost:3306/test</pr
10         <property name="hibernate.connection.username">root</property>
11         <property name="hibernate.connection.password">root</property>
12         <property name="hibernate.dialect">org.hibernate.dialect.MySQLDialect</propert
13         <property name="show_sql">>true</property>
14
15         <property name="hbm2ddl.auto">create</property>
16
17
18         <mapping class="com.accolite.hibernate.hibernate2.Person"/>
19     </session-factory>
20 </hibernate-configuration>
21

```

Create table



```

hibernate1/pom.xml  hibernate.cfg.xml  App.java  Person.java
24 Configuration configuration = new Configuration();
25 configuration.configure();
26 ServiceRegistry serviceRegistry = new ServiceRegistryBuilder()
27     .applySettings(configuration.getProperties()).buildServiceRegistry(s
28     SessionFactory sessionFactory = configuration.buildSessionFactory(s
29
30     long end = System.nanoTime();
31     System.out.println("Time: " + (end - start));
32
33     Person p = new Person();
34     p.setName("accolite");
35     Session session = sessionFactory.openSession();
36
37     session.beginTransaction();
38     session.save(p);
39
40     // Person p2 = (Person)session.get(Person.class, 1);
41     session.getTransaction().commit();
42     session.close();
43     // System.out.println(p2.toString());
44 }
45 }

```

com.accolite.hibernate.hibernate1

App

main(String[]) : void

Markers Properties Servers Data Source Explorer Snippets Console

<terminated> App [Java Application] C:\Program Files\Java\jre1.8.0_191\bin\javaw.exe (21-Jan-2019, 11:08:16 am)

INFO: HH000397: Using ASTQueryTranslatorFactory

Jan 21, 2019 11:08:18 AM org.hibernate.tool.hbm2ddl.SchemaExport execute

INFO: HH000227: Running hbm2ddl schema export

Hibernate: drop table if exists Person_table

Hibernate: create table Person_table (id integer not null auto_increment, address_new varchar(255) unique, name varchar(255), p

Jan 21, 2019 11:08:19 AM org.hibernate.tool.hbm2ddl.SchemaExport execute

INFO: HH000230: Schema export complete

Time: 2884224900

Hibernate: insert into Person_table (address_new, name) values (?, ?)

Database on mysql

```

28
29 • create database test;
30
31 • use test;
32 |
33 • select * from Person_table;
34

```

Result Grid

	id	address_new	name
▶	1	NULL	accolite
•	NULL	NULL	NULL

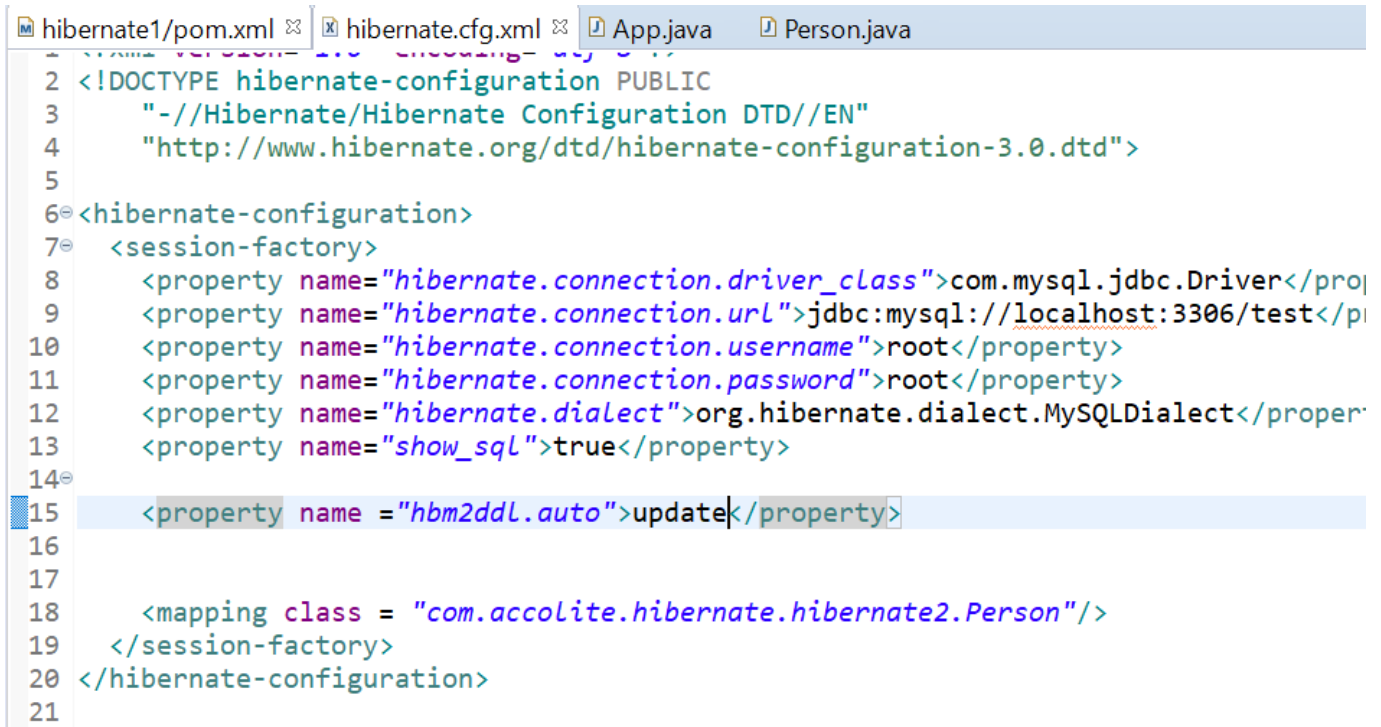
Renaming address column

```

hibernate1/pom.xml  x hibernate.cfg.xml  App.java  Person.java
7 // @Column(name = "Person_table")
8 // @Column(name="PRIMARY_KEY_ID")
9 public class Person {
10     @Override
11     public String toString() {
12         return "Person [id=" + id + ", name=" + name + ", address=" + address + "]"
13     }
14     @Id
15     @GeneratedValue(strategy = GenerationType.AUTO)
16     private int id;
17     private String name;
18
19     @Column(name = "address", unique = true)
20     private String address;
21
22     public String getAddress() {
23         return address;
24     }
25     public void setAddress(String address) {
26         this.address = address;
27     }
28     public int getId() {

```

update statement in configuration file

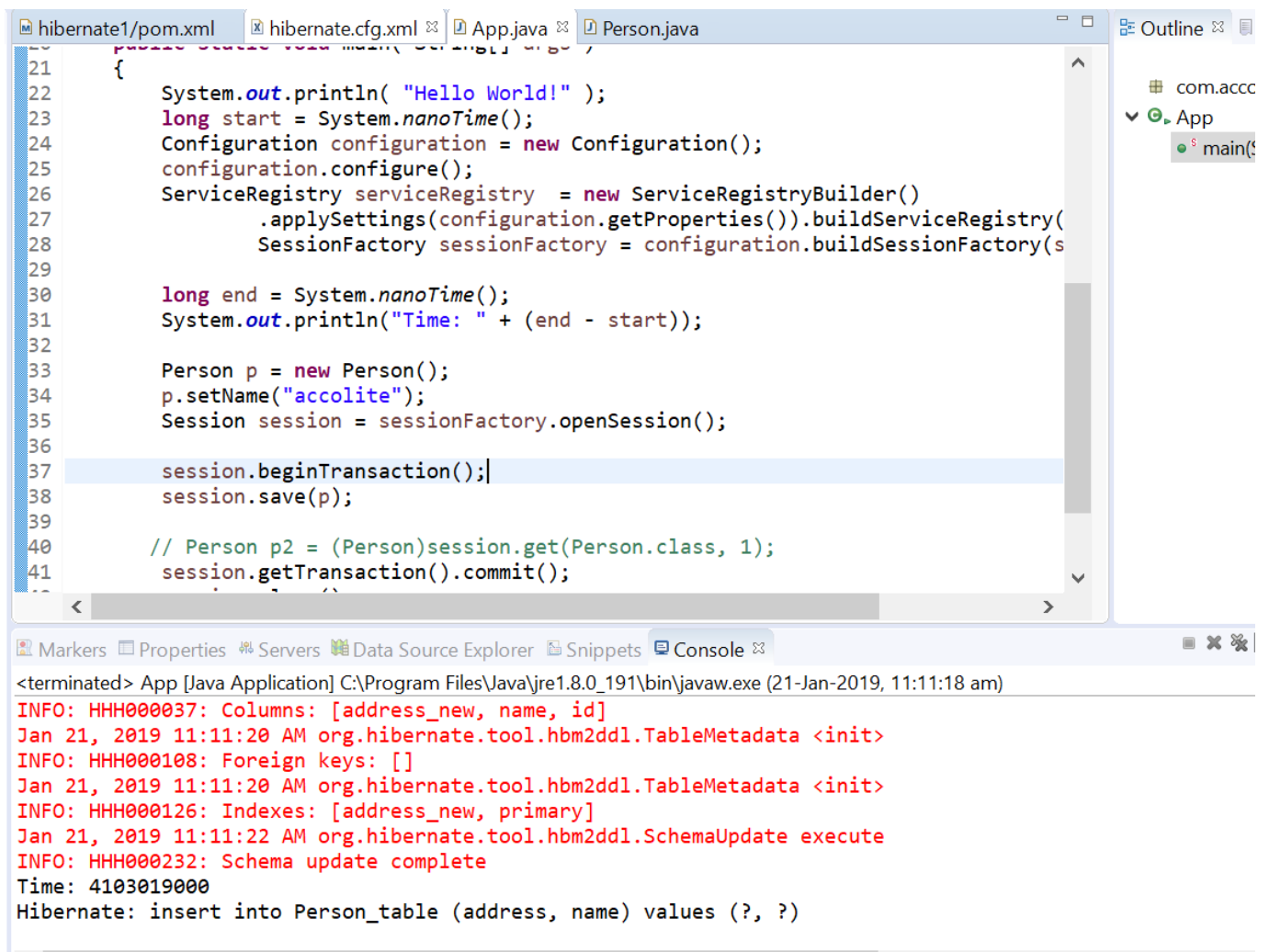


```

hibernate1/pom.xml x hibernate.cfg.xml x App.java x Person.java
2 <!DOCTYPE hibernate-configuration PUBLIC
3   "-//Hibernate/Hibernate Configuration DTD//EN"
4   "http://www.hibernate.org/dtd/hibernate-configuration-3.0.dtd">
5
6 <hibernate-configuration>
7   <session-factory>
8     <property name="hibernate.connection.driver_class">com.mysql.jdbc.Driver</prop
9     <property name="hibernate.connection.url">jdbc:mysql://localhost:3306/test</p
10    <property name="hibernate.connection.username">root</property>
11    <property name="hibernate.connection.password">root</property>
12    <property name="hibernate.dialect">org.hibernate.dialect.MySQLDialect</proper
13    <property name="show_sql">true</property>
14
15    <property name="hbm2ddl.auto">update</property>
16
17
18    <mapping class="com.accolite.hibernate.hibernate2.Person"/>
19  </session-factory>
20 </hibernate-configuration>
21

```

Result after Renaming the column to address



```

hibernate1/pom.xml x hibernate.cfg.xml x App.java x Person.java
21 {
22     System.out.println( "Hello World!" );
23     long start = System.nanoTime();
24     Configuration configuration = new Configuration();
25     configuration.configure();
26     ServiceRegistry serviceRegistry = new ServiceRegistryBuilder()
27         .applySettings(configuration.getProperties()).buildServiceRegistry()
28     SessionFactory sessionFactory = configuration.buildSessionFactory(s
29
30     long end = System.nanoTime();
31     System.out.println("Time: " + (end - start));
32
33     Person p = new Person();
34     p.setName("accolite");
35     Session session = sessionFactory.openSession();
36
37     session.beginTransaction();
38     session.save(p);
39
40     // Person p2 = (Person)session.get(Person.class, 1);
41     session.getTransaction().commit();

```

```

<terminated> App [Java Application] C:\Program Files\Java\jre1.8.0_191\bin\javaw.exe (21-Jan-2019, 11:11:18 am)
INFO: HHH000037: Columns: [address_new, name, id]
Jan 21, 2019 11:11:20 AM org.hibernate.tool.hbm2ddl.TableMetadata <init>
INFO: HHH000108: Foreign keys: []
Jan 21, 2019 11:11:20 AM org.hibernate.tool.hbm2ddl.TableMetadata <init>
INFO: HHH000126: Indexes: [address_new, primary]
Jan 21, 2019 11:11:22 AM org.hibernate.tool.hbm2ddl.SchemaUpdate execute
INFO: HHH000232: Schema update complete
Time: 4103019000
Hibernate: insert into Person_table (address, name) values (?, ?)

```

Result on database

31 •

32

33 •

34

use test;

select * from Person_table;

<

Result Grid

Filter Rows:

Edit:

Export/Import:

	id	address_new	name	address
▶	1	NULL	accolite	NULL
	2	NULL	accolite	NULL
✱	NULL	NULL	NULL	NULL