1.mysql 创建用户和表

[root@h201 ~]# service mysqld start

mysql> create user 'sq' identified by 'sq123';

mysql> grant all privileges on \*.\* to 'sq'@'%' with grant option;

mysql> grant all privileges on \*.\* to sq@h201 identified by 'sq123';

mysql> grant all privileges on \*.\* to sq@192.168.8.66 identified by 'sq123';

[root@h201 ~]# mysql -h 192.168.8.201 -u sq -p

mysql> create database flink;

mysql> use flink;

mysql> create table t1(id int,name varchar(20));

[hadoop@h201 ~]$ mysql -h h201 -u hive -p

mysql> create database hivedb;

mysql> insert into t1 values(101,'zs');

mysql> insert into t1 values(102,'ls');

mysql> commit;

2.

**package** com.sq2;  
  
**import** org.apache.flink.streaming.api.datastream.DataStream;  
**import** org.apache.flink.streaming.api.environment.StreamExecutionEnvironment;  
**import** org.apache.flink.streaming.api.functions.source.SourceFunction;  
  
**import** java.sql.Connection;  
**import** java.sql.DriverManager;  
**import** java.sql.ResultSet;  
**import** java.sql.Statement;  
  
**public class** source4 {  
 **public static void** main(String[] args) **throws** Exception {  
 StreamExecutionEnvironment env = StreamExecutionEnvironment.*getExecutionEnvironment*();  
 DataStream input3 = env.addSource(**new** ss1());  
 input3.print();  
 env.execute(**"sss"**);  
 }  
 **public static class** ss1 **implements** SourceFunction<String> {  
 **private static final** String ***URL***=**"jdbc:mysql://192.168.8.201:3306/flink"**;  
 **private static final** String ***USER***=**"sq"**;  
 **private static final** String ***PASSWORD***=**"sq123"**;  
 **private boolean isRunning** = **true**;  
 @Override  
 **public void** run(SourceContext<String> sourceContext) **throws** Exception {  
 Class.*forName*(**"com.mysql.jdbc.Driver"**);  
 Connection conn = DriverManager.*getConnection*(***URL***, ***USER***, ***PASSWORD***);  
 Statement stmt = conn.createStatement();  
 ResultSet rs = stmt.executeQuery(**"select** *\** **from t1"**);  
 **while**(rs.next()){  
 String id = rs.getString(**"id"**);  
 String name = rs.getString(**"name"**);  
 String row1 = id+**" "**+name;  
 sourceContext.collect(row1);  
 Thread.*sleep*(1000);  
 }  
 }  
 @Override  
 **public void** cancel() {  
 **isRunning** = **false**;  
 }  
 }  
}