**package** cc.hdp.course  
  
**import** org.apache.log4j.{Level, Logger}  
**import** org.apache.spark.sql.SQLContext  
**import** org.apache.spark.sql.hive.HiveContext  
**import** org.apache.spark.{SparkConf, SparkContext}  
  
*/\*\*  
 \* Created by Administrator on 2017/7/22 0022.  
 \*/***object** OpHiveSql {  
 **def** main(args: Array[String]): Unit = {  
 Logger.*getLogger*(**"org.apache.spark"**).setLevel(Level.*WARN*)  
 Logger.*getLogger*(**"org.eclipse.jetty.server"**).setLevel(Level.*OFF*)  
 *//spark入口  
 //spark conf配置对象* **val** conf = **new** SparkConf().setAppName(**"OpHiveSql"**)  
 **val** sc = **new** SparkContext(conf)  
 **val** sqlContext = **new** SQLContext(sc)  
 *//创建HiveContext实例* **val** hiveContext = **new** HiveContext(sc)  
  
*// hiveContext.sql("CREATE TABLE IF NOT EXISTS src (key INT, value STRING)")  
// hiveContext.sql("LOAD DATA INPATH '/spark\_app/data/kv1.txt' INTO TABLE src")  
  
 // Queries are expressed in HiveQL  
// val dataFrame = hiveContext.sql("FROM src SELECT key, value")  
// dataFrame.collect().foreach(println(\_))  
  
 //通过sqlContext创建DataFrame* **val** sqlPepple = sqlContext.read.json(**"/spark\_app/data/people.json"**)  
  
 *//通过HiveContext创建DataFrame* **var** hivePepple = hiveContext.read.json(**"/spark\_app/data/people.json"**)  
  
 *//对比sql()* sqlPepple.registerTempTable(**"sqlPepple"**)  
*// sqlContext.sql("select \* from sqlPepple limit 5").collect().foreach(println)  
// println("-------------------Hive-------------------------")* hivePepple.registerTempTable(**"hivePepple"**)  
*// hiveContext.sql("select \* from hivePepple limit 2").collect().foreach(println)  
  
// 报错：Table not found XXX  
// sqlContext.sql("select \* from hivePepple limit 5").collect().foreach(println)  
// hiveContext.sql("select \* from sqlPepple limit 5").collect().foreach(println)  
  
 //DataFrame API操作  
// sqlPepple.join(hivePepple).show()  
  
 //Hive SQL语句 https://cwiki.apache.org/confluence/display/Hive/LanguageManual  
// hiveContext.sql()  
  
 //DataFrame数据写入Hive表  
// hivePepple.write.saveAsTable()* }  
}