资料来源：<https://www.cnblogs.com/xkl520xka/p/5817180.html>

# Oracle java 数据类型的对应关系

## [Oracle数据类型对应Java类型](https://www.cnblogs.com/xkl520xka/p/5817180.html)

| **SQL数据类型** | **JDBC类型代码** | **标准的Java类型** | **Oracle扩展的Java类型** |
| --- | --- | --- | --- |
|  | 1.0标准的JDBC类型: |  |  |
| CHAR | java.sql.Types.CHAR | java.lang.String | oracle.sql.CHAR |
| VARCHAR2 | java.sql.Types.VARCHAR | java.lang.String | oracle.sql.CHAR |
| LONG | java.sql.Types.LONGVARCHAR | java.lang.String | oracle.sql.CHAR |
| NUMBER | java.sql.Types.NUMERIC | java.math.BigDecimal | oracle.sql.NUMBER |
| NUMBER | java.sql.Types.DECIMAL | java.math.BigDecimal | oracle.sql.NUMBER |
| NUMBER | java.sql.Types.BIT | boolean | oracle.sql.NUMBER |
| NUMBER | java.sql.Types.TINYINT | byte | oracle.sql.NUMBER |
| NUMBER | java.sql.Types.SMALLINT | short | oracle.sql.NUMBER |
| NUMBER | java.sql.Types.INTEGER | int | oracle.sql.NUMBER |
| NUMBER | java.sql.Types.BIGINT | long | oracle.sql.NUMBER |
| NUMBER | java.sql.Types.REAL | float | oracle.sql.NUMBER |
| NUMBER | java.sql.Types.FLOAT | double | oracle.sql.NUMBER |
| NUMBER | java.sql.Types.DOUBLE | double | oracle.sql.NUMBER |
| RAW | java.sql.Types.BINARY | byte[] | oracle.sql.RAW |
| RAW | java.sql.Types.VARBINARY | byte[] | oracle.sql.RAW |
| LONGRAW | java.sql.Types.LONGVARBINARY | byte[] | oracle.sql.RAW |
| DATE | java.sql.Types.DATE | java.sql.Date | oracle.sql.DATE |
| DATE | java.sql.Types.TIME | java.sql.Time | oracle.sql.DATE |
| TIMESTAMP | java.sql.Types.TIMESTAMP | javal.sql.Timestamp | oracle.sql.TIMESTAMP |
|  | 2.0标准的JDBC类型: |  |  |
| BLOB | java.sql.Types.BLOB | java.sql.Blob | oracle.sql.BLOB |
| CLOB | java.sql.Types.CLOB | java.sql.Clob | oracle.sql.CLOB |
| 用户定义的对象 | java.sql.Types.STRUCT | java.sql.Struct | oracle.sql.STRUCT |
| 用户定义的参考 | java.sql.Types.REF | java.sql.Ref | oracle.sql.REF |
| 用户定义的集合 | java.sql.Types.ARRAY | java.sql.Array | oracle.sql.ARRAY |
|  | Oracle扩展: |  |  |
| BFILE | oracle.jdbc.OracleTypes.BFILE | N/A | oracle.sql.BFILE |
| ROWID | oracle.jdbc.OracleTypes.ROWID | N/A | oracle.sql.ROWID |
| REF CURSOR | oracle.jdbc.OracleTypes.CURSOR | java.sql.ResultSet | oracle.jdbc.OracleResultSet |
| TIMESTAMP | oracle.jdbc.OracleTypes.TIMESTAMP | java.sql.Timestamp | oracle.sql.TIMESTAMP |
| TIMESTAMP WITH TIME ZONE | oracle.jdbc.OracleTypes.TIMESTAMPTZ | java.sql.Timestamp | oracle.sql.TIMESTAMPTZ |
| TIMESTAMP WITH LOCAL TIME ZONE | oracle.jdbc.OracleTypes.TIMESTAMPLTZ | java.sql.Timestamp | oracle.sql.TIMESTAMPLTZ |

(转载)

拍拍贷的java 代码举例

Dao.java

// 拍拍贷相关的配置

**public** **interface** PpdDao {

/\*\*

\* 通过appId 查询费率

\* **@param** parameterMap

\*/

**void** getRateByAppId(Map<String, Object> parameterMap);

}

Dao.xml

<?xml version=*"1.0"* encoding=*"UTF-8"* ?>

<!DOCTYPE mapper

PUBLIC "-//mybatis.org//DTD Mapper 3.0//EN"

"http://mybatis.org/dtd/mybatis-3-mapper.dtd">

<mapper namespace=*"com.ruibao.dao.paipaidai.PpdDao"*>

<resultMap type =*"java.util.Map"* id= *"rateInfo"*>

<result column=*"AGENT\_RATE"* property=*"agentRate"* jdbcType=*"DECIMAL"* />

</resultMap >

<!-- 通过appId 查询费率 -->

<select id=*"getRateByAppId"* statementType=*"CALLABLE"*

parameterType=*"java.util.Map"*>

<![CDATA[

{call P\_50001(

#{agentId,mode=IN,jdbcType=VARCHAR},

#{reserve,mode=IN,jdbcType=VARCHAR},

#{errorCode,mode=OUT,jdbcType=VARCHAR},

#{errorInfo,mode=OUT,jdbcType=VARCHAR},

#{messageList,mode=OUT,jdbcType=CURSOR,javaType=java.sql.ResultSet,resultMap=rateInfo}

)}

]]>

</select>

</mapper>

测试类代码

@RunWith(SpringJUnit4ClassRunner.**class**)

@ContextConfiguration(locations = {"classpath:spring-config.xml","classpath:spring-mvc.xml"})

**public** **class** TestDao {

@Autowired

**private** PpdDao ppdDao;

@Test

**public** **void** testq() **throws** Exception {

Map<String, Object> parameterMap = **new** HashMap<>();

parameterMap.put("agentId", "1");

**this**.ppdDao.getRateByAppId(parameterMap);

System.***out***.println(parameterMap);

List<Map<String,Object>> messlist = (List<Map<String,Object>>)parameterMap.get("messageList");

Map<String, Object> map = messlist.get(0);

String object = map.get("agentRate").toString();

System.***out***.println(object);

}

}