# Sql

## 创建表空间

CREATE TABLE t\_user2 (

ID NUMBER (10),

NAME VARCHAR2 (20),

bankCard VARCHAR2 (20),

idNumber VARCHAR2 (20),

mobile VARCHAR2 (20),

isdisable NUMBER (6),

TIME DATE DEFAULT SYSDATE

);

Id 使用number 类型

ID NUMBER (10),

Name 使用varchar 类型

NAME VARCHAR2 (20),

phone VARCHAR2(40) not null,

create\_datetime VARCHAR2(19),

update\_datetime VARCHAR2(19),

金额

amount NUMBER(8,2) default 0 not null,

时间 Data

TIME DATE DEFAULT SYSDATE

资料来源：<https://blog.csdn.net/kule1208/article/details/78470619>

Update Time

`create\_time` timestamp NOT NULL DEFAULT CURRENT\_TIMESTAMP,  
`update\_time` timestamp NULL DEFAULT NULL ON UPDATE CURRENT\_TIMESTAMP,

当我们创建业务表的时候 通常都需要设置create\_time 和 update\_time 但是通常需要在代码中设置好时间后再插入数据库

CURRENT\_TIMESTAMP  字段设置后 当insert数据时 mysql会自动设置当前系统时间 赋值给该属性字段

ON UPDATE CURRENT\_TIMESTAMP 字段设置后 当update数据时 并且 成功发生更改时 mysql会自动设置当前系统时间 赋值给该属性字段

create\_time 设置 CURRENT\_TIMESTAMP属性

update\_time 设置 ON UPDATE CURRENT\_TIMESTAMP属性

我们在代码中 就无需再手动给这两个参数赋值 节省了一定代码量

　　CREATE TABLE `t\_baby` (  
`baby\_id` int(11) NOT NULL AUTO\_INCREMENT,  
`user\_id` int(11) NOT NULL,  
`nickname` varchar(64) DEFAULT NULL,  
`avatar` varchar(64) DEFAULT ‘‘,  
`sex` int(2) unsigned NOT NULL DEFAULT ‘0‘ COMMENT ‘0：未知；\\n 1：男；\\n 2：女。‘,  
`birthday` datetime NOT NULL,  
`creater` varchar(16) DEFAULT ‘‘,  
`create\_time` timestamp NOT NULL DEFAULT CURRENT\_TIMESTAMP,  
`update\_time` timestamp NULL DEFAULT NULL ON UPDATE CURRENT\_TIMESTAMP,  
`is\_delete` bigint(20) DEFAULT NULL COMMENT ‘0‘,  
`updater` varchar(16) DEFAULT NULL,  
PRIMARY KEY (`baby\_id`)  
) ENGINE=InnoDB AUTO\_INCREMENT=10000000 DEFAULT CHARSET=utf8mb4;

设置主键

ALTER TABLE T\_Cash\_Pay ADD PRIMARY KEY ("PID");

create table T\_BILL\_INFO

(

id NUMBER not null,

user\_id VARCHAR2(40) not null,

phone VARCHAR2(40) not null,

amount NUMBER(8,2) default 0 not null,

bill\_state NUMBER(1) default 1 not null,

create\_datetime VARCHAR2(19),

update\_datetime VARCHAR2(19),

error\_info VARCHAR2(100),

order\_id VARCHAR2(40)

)

tablespace LG\_TRD

pctfree 10

initrans 1

maxtrans 255

storage

(

initial 64K

next 1M

minextents 1

maxextents unlimited

);

到处的表结构

DROP TABLE "CONN\_TRD"."T\_BANK\_AUTH";

CREATE TABLE "CONN\_TRD"."T\_BANK\_AUTH" (

"ID" NUMBER(10) NOT NULL ,

"NAME" VARCHAR2(255 BYTE) NULL ,

"BANKCARD" VARCHAR2(255 BYTE) NULL ,

"IDNUMBER" VARCHAR2(255 BYTE) NULL ,

"MOBILE" VARCHAR2(255 BYTE) NULL ,

"ISDISABLE" NUMBER(6) NULL ,

"DATE\_FROM" VARCHAR2(255 BYTE) NULL ,

"CREATE\_TIME" DATE DEFAULT SYSDATE NULL ,

"TYPE" NUMBER(6) NULL ,

"RESULT" VARCHAR2(1024 BYTE) NULL ,

"CODE" VARCHAR2(255 BYTE) NULL

)

LOGGING

NOCOMPRESS

NOCACHE

;

COMMENT ON COLUMN "CONN\_TRD"."T\_BANK\_AUTH"."ID" IS 'ID 使用redis 生成';

COMMENT ON COLUMN "CONN\_TRD"."T\_BANK\_AUTH"."NAME" IS '姓名';

COMMENT ON COLUMN "CONN\_TRD"."T\_BANK\_AUTH"."BANKCARD" IS '银行卡号';

COMMENT ON COLUMN "CONN\_TRD"."T\_BANK\_AUTH"."IDNUMBER" IS '身份证号码';

COMMENT ON COLUMN "CONN\_TRD"."T\_BANK\_AUTH"."MOBILE" IS '手机号码';

COMMENT ON COLUMN "CONN\_TRD"."T\_BANK\_AUTH"."ISDISABLE" IS '这条记录是否可用 0 不可用 1 表示可用';

COMMENT ON COLUMN "CONN\_TRD"."T\_BANK\_AUTH"."DATE\_FROM" IS '资料来源';

COMMENT ON COLUMN "CONN\_TRD"."T\_BANK\_AUTH"."CREATE\_TIME" IS '系统创建时间';

COMMENT ON COLUMN "CONN\_TRD"."T\_BANK\_AUTH"."TYPE" IS 'type 表示类型 1 表示 二要素认证 2 表示三要素认证 3 表示四要素认证';

COMMENT ON COLUMN "CONN\_TRD"."T\_BANK\_AUTH"."RESULT" IS '上游通道返回的结果';

COMMENT ON COLUMN "CONN\_TRD"."T\_BANK\_AUTH"."CODE" IS '上游返回来的code值';

-- ----------------------------

-- Indexes structure for table T\_BANK\_AUTH

-- ----------------------------

-- ----------------------------

-- Checks structure for table T\_BANK\_AUTH

-- ----------------------------

ALTER TABLE "CONN\_TRD"."T\_BANK\_AUTH" ADD CHECK ("ID" IS NOT NULL);

-- ----------------------------

-- Primary Key structure for table T\_BANK\_AUTH

-- ----------------------------

ALTER TABLE "CONN\_TRD"."T\_BANK\_AUTH" ADD PRIMARY KEY ("ID");

## 分页

单独查询

SELECT \*

FROM (SELECT TMP\_PAGE.\*, ROWNUM ROW\_ID

FROM (SELECT \*

FROM T\_SYSTEM\_CHANNEL\_NAME) TMP\_PAGE

WHERE ROWNUM <= 2)

WHERE ROW\_ID > 0

2 表示 显示的条数

0 表示第几页

## 新建一个表格

-- ----------------------------

-- Table structure for BANK\_APPRAISAL\_INFO

-- ----------------------------

DROP TABLE "RY\_TRD"."BANK\_APPRAISAL\_INFO";

CREATE TABLE "RY\_TRD"."BANK\_APPRAISAL\_INFO" (

"PID" NUMBER(20) NOT NULL ,

"USER\_SFZNAME" VARCHAR2(60 BYTE) NOT NULL ,

"USER\_NUMID" VARCHAR2(24 BYTE) NOT NULL ,

"CARD\_NUM" VARCHAR2(30 BYTE) NOT NULL ,

"USER\_MOBILE" VARCHAR2(11 BYTE) NOT NULL ,

"USER\_ID" VARCHAR2(40 BYTE) NOT NULL ,

"STATUS" CHAR(1 BYTE) NOT NULL ,

"CREATE\_DATE" DATE NULL ,

"MODIFY\_DATE" DATE NULL ,

"ONE\_ERRCODE" VARCHAR2(60 BYTE) NULL ,

"ONE\_ERRORMSG" VARCHAR2(1000 BYTE) NULL ,

"VERIFICATION\_CODE" VARCHAR2(60 BYTE) NULL ,

"APPRAISAL\_ORDERNO" VARCHAR2(60 BYTE) NOT NULL ,

"VISIT\_URL" VARCHAR2(1000 BYTE) NULL ,

"APPRAISAL\_SERIALNO" VARCHAR2(60 BYTE) NULL ,

"APPRAISAL\_MONEY" NUMBER(5,2) NULL ,

"TWO\_ERRCODE" VARCHAR2(60 BYTE) NULL ,

"TWO\_ERRORMSG" VARCHAR2(1000 BYTE) NULL ,

"USER\_APPBELONG" VARCHAR2(20 BYTE) NULL

)

LOGGING

NOCOMPRESS

NOCACHE

;

COMMENT ON TABLE "RY\_TRD"."BANK\_APPRAISAL\_INFO" IS '银行卡的测评信息表';

COMMENT ON COLUMN "RY\_TRD"."BANK\_APPRAISAL\_INFO"."PID" IS '主键';

COMMENT ON COLUMN "RY\_TRD"."BANK\_APPRAISAL\_INFO"."USER\_SFZNAME" IS '身份证上的姓名';

COMMENT ON COLUMN "RY\_TRD"."BANK\_APPRAISAL\_INFO"."USER\_NUMID" IS '身份证号码';

COMMENT ON COLUMN "RY\_TRD"."BANK\_APPRAISAL\_INFO"."CARD\_NUM" IS '银行卡号';

COMMENT ON COLUMN "RY\_TRD"."BANK\_APPRAISAL\_INFO"."USER\_MOBILE" IS '银行预留手机号码';

COMMENT ON COLUMN "RY\_TRD"."BANK\_APPRAISAL\_INFO"."USER\_ID" IS '用户的唯一编号';

COMMENT ON COLUMN "RY\_TRD"."BANK\_APPRAISAL\_INFO"."STATUS" IS '认证的状态 1= 新建 , 2 = 第一次发送 , 3= 第一次返回成功 ,4 = 第一次返回失败, 6 = 第二次发送 , 7= 第二次成功 ,8= 第二次失败';

COMMENT ON COLUMN "RY\_TRD"."BANK\_APPRAISAL\_INFO"."CREATE\_DATE" IS '创建时间';

COMMENT ON COLUMN "RY\_TRD"."BANK\_APPRAISAL\_INFO"."MODIFY\_DATE" IS '更新时间';

COMMENT ON COLUMN "RY\_TRD"."BANK\_APPRAISAL\_INFO"."ONE\_ERRCODE" IS '第一次发送的错误代码';

COMMENT ON COLUMN "RY\_TRD"."BANK\_APPRAISAL\_INFO"."ONE\_ERRORMSG" IS '第一次发送的错误信息';

COMMENT ON COLUMN "RY\_TRD"."BANK\_APPRAISAL\_INFO"."VERIFICATION\_CODE" IS '验证码信息';

COMMENT ON COLUMN "RY\_TRD"."BANK\_APPRAISAL\_INFO"."APPRAISAL\_ORDERNO" IS '卡测评的订单号';

COMMENT ON COLUMN "RY\_TRD"."BANK\_APPRAISAL\_INFO"."VISIT\_URL" IS '卡测评的返回的url';

COMMENT ON COLUMN "RY\_TRD"."BANK\_APPRAISAL\_INFO"."APPRAISAL\_SERIALNO" IS '卡测评的序列号';

COMMENT ON COLUMN "RY\_TRD"."BANK\_APPRAISAL\_INFO"."APPRAISAL\_MONEY" IS '卡测评需要的金额';

COMMENT ON COLUMN "RY\_TRD"."BANK\_APPRAISAL\_INFO"."TWO\_ERRCODE" IS '第二次发送的错误代码';

COMMENT ON COLUMN "RY\_TRD"."BANK\_APPRAISAL\_INFO"."TWO\_ERRORMSG" IS '第二次发送的错误信息';

COMMENT ON COLUMN "RY\_TRD"."BANK\_APPRAISAL\_INFO"."USER\_APPBELONG" IS 'app唯一标签';

-- ----------------------------

-- Indexes structure for table BANK\_APPRAISAL\_INFO

-- ----------------------------

-- ----------------------------

-- Checks structure for table BANK\_APPRAISAL\_INFO

-- ----------------------------

ALTER TABLE "RY\_TRD"."BANK\_APPRAISAL\_INFO" ADD CHECK ("PID" IS NOT NULL);

ALTER TABLE "RY\_TRD"."BANK\_APPRAISAL\_INFO" ADD CHECK ("USER\_SFZNAME" IS NOT NULL);

ALTER TABLE "RY\_TRD"."BANK\_APPRAISAL\_INFO" ADD CHECK ("USER\_NUMID" IS NOT NULL);

ALTER TABLE "RY\_TRD"."BANK\_APPRAISAL\_INFO" ADD CHECK ("CARD\_NUM" IS NOT NULL);

ALTER TABLE "RY\_TRD"."BANK\_APPRAISAL\_INFO" ADD CHECK ("USER\_MOBILE" IS NOT NULL);

ALTER TABLE "RY\_TRD"."BANK\_APPRAISAL\_INFO" ADD CHECK ("USER\_ID" IS NOT NULL);

ALTER TABLE "RY\_TRD"."BANK\_APPRAISAL\_INFO" ADD CHECK ("STATUS" IS NOT NULL);

ALTER TABLE "RY\_TRD"."BANK\_APPRAISAL\_INFO" ADD CHECK ("APPRAISAL\_ORDERNO" IS NOT NULL);

-- ----------------------------

-- Primary Key structure for table BANK\_APPRAISAL\_INFO

-- ----------------------------

ALTER TABLE "RY\_TRD"."BANK\_APPRAISAL\_INFO" ADD PRIMARY KEY ("PID");