

综合练习3

此套练习供《尚硅谷-MySQL数据库基础篇》使用

测试

1. 创建表

表名	member						
列名	MEMBER_ID	LAST_NAME	LAST_NAME	ADDRESS	CITY	PHONE	JOIN_DATE
主键	yes						
非空	yes	yes					yes
唯一	yes						
默认值							sysdate
数据类型	number	varchar	varchar	varchar	varchar	varchar	date
长度	10	25	25	100	30	15	

2. 创建表

表名	title					
列名	TITLE_ID	TITLE	DESCRIPTION	RATING	CATEGORY	RELEASE_DATE
主键	yes					
非空	yes	yes	yes			
唯一	yes					
检查				G, PG, R,NC17, NR	DRAMA,COMEDY,ACTION,CHILD,SCIFI,DOCUMENTARY	
数据类型	number	varchar2	varchar2	varchar2	varchar2	date
长度	10	60	400	4	20	

3. 创建表

表名	TITLE_COPY		
列名	COPY_ID	TITLE_id	status
主键	yes	yes	
外键		yes(title.title_id)	
非空	yes	yes	yes
唯一	yes	yes	
检查			
数据类型	number	number	varchar2
长度	10	10	15

4. 创建表

表名	rental					
列名	book_date	Member_id	Copy_id	Ac_ret_date	Exp_ret_dte	Title_id
主键	yes	yes	yes			yes
外键		yes(member.member_id)	yes(title_copy.copy_id)			yes(title_copy.title_id)
默认值	sysdate				sysdate + 2	
数据类型	date	number	number	date	date	date
长度		10	10			

5. 创建表

表名	RESERVATION		
列名	res_date	member_id	Title_id
主键	yes	yes	yes
外键		yes(member.member_id)	yes(title.title_id)
非空	yes	yes	yes
唯一	yes	yes	
检查			
数据类型	date	number	number
长度		10	10

6. 查询数据字典视图user_tables和user_constraints以确认所创建的对象

7. 创建序列MEMBER_ID_SEQ., 由101开始, 每次增长1, 无最大值限制, 不放入内存

8. 创建序列title_ID_SEQ., 由101开始, 每次增长1, 无最大值限制, 不放入内存

9. 向表title中添加数据

<i>Title</i>	<i>Description</i>	<i>Rating</i>	<i>Category</i>	<i>Release_date</i>
Willie andChristmasToo	All of Willie's friendsmake a Christmas list forSanta, but Willie has yet to add his own wish list.	G	CHILD	05-OCT-1995
Alien Again	Yet another installation ofscience fiction history. Canthe heroine save the planetfrom the alien life form?	R	SCIFI	19-MAY-1995
The Glob	A meteor crashes near asmall American town andunleashes carnivorous gooin this classic.	NR	SCIFI	12-AUG-1995
My Day Off	With a little luck and a lotof ingenuity, a teenagerskips school for a day inNew York	PG	COMEDY	12-JUL-1995
Miracles onIce	A six-year-old has doubtsabout Santa Claus, but shediscoveres that miraclesreally do exist.	PG	DRAMA	12-SEP-1995
Soda Gang	After discovering a cacheof drugs, a young couplefind themselves pittedagainst a vicious gang.	NR	ACTION	01-JUN-1995

10. 向表member中添加数据

<i>First_Name</i>	<i>Last_Name</i>	<i>Address</i>	<i>City</i>	<i>Phone</i>	<i>Join_Date</i>
Carmen	Velasquez	283 King Street	Seattle	206-899-6666	08-MAR-1990
LaDoris	Ngao	5 Modrany	Bratislava	586-355-8882	08-MAR-1990
Midori	Nagayama	68 Via Centrale	Sao Paolo	254-852-5764	17-JUN-1991
Mark	Quick-to-See	6921 KingWay	Lagos	63-559-7777	07-APR-1990
Audry	Ropeburn	86 Chu Street	Hong Kong	41-559-87	18-JAN-1991
Molly	Urguhart	3035 Laurier	Quebec	418-542-9988	18-JAN-1991

11.向表title_copy中插入数据

```
INSERT INTO title_copy(copy_id, title_id, status)

VALUES (1, 92, 'AVAILABLE');

INSERT INTO title_copy(copy_id, title_id, status)

VALUES (1, 93, 'AVAILABLE');

INSERT INTO title_copy(copy_id, title_id, status)

VALUES (2, 93, 'RENTED');

INSERT INTO title_copy(copy_id, title_id, status)

VALUES (1, 94, 'AVAILABLE');

INSERT INTO title_copy(copy_id, title_id, status)

VALUES (1, 95, 'AVAILABLE');

INSERT INTO title_copy(copy_id, title_id,status)

VALUES (2, 95, 'AVAILABLE');

INSERT INTO title_copy(copy_id, title_id,status)

VALUES (3, 95, 'RENTED');

INSERT INTO title_copy(copy_id, title_id,status)

VALUES (1, 96, 'AVAILABLE');

INSERT INTO title_copy(copy_id, title_id,status)

VALUES (1, 97, 'AVAILABLE');
```

12.向表rental中插入数据

```
INSERT INTO rental(title_id, copy_id, member_id,

book_date, exp_ret_date, act_ret_date)

VALUES (92, 1, 101, sysdate-3, sysdate-1, sysdate-2);

INSERT INTO rental(title_id, copy_id, member_id,

book_date, exp_ret_date, act_ret_date)

VALUES (93, 2, 101, sysdate-1, sysdate-1, NULL);

INSERT INTO rental(title_id, copy_id, member_id,

book_date, exp_ret_date, act_ret_date)

VALUES (95, 3, 102, sysdate-2, sysdate, NULL);
```

```
INSERT INTO rental(title_id, copy_id, member_id,  
  
book_date, exp_ret_date, act_ret_date)  
  
VALUES (97, 1, 106, sysdate-4, sysdate-2, sysdate-2);  
  
COMMIT;
```

13. 创建视图并查询视图中的数据

```
CREATE VIEW title_avail AS  
  
SELECT t.title, c.copy_id, c.status, r.exp_ret_date  
  
FROM title t, title_copy c, rental r  
  
WHERE t.title_id = c.title_id  
  
AND c.copy_id = r.copy_id(+)  
  
AND c.title_id = r.title_id(+);
```

14. 插入下列数据

```
INSERT INTO title(title_id, title, description, rating,  
  
category, release_date)  
  
VALUES (title_id_seq.NEXTVAL, 'Interstellar Wars',  
  
'Futuristic interstellar action movie. Can the  
  
rebels save the humans from the evil Empire?',  
  
'PG', 'SCIFI', '07-JUL-77');  
  
INSERT INTO title_copy (copy_id, title_id, status)  
  
VALUES (1, 98, 'AVAILABLE');  
  
INSERT INTO title_copy (copy_id, title_id, status)  
  
VALUES (2, 98, 'AVAILABLE');  
  
INSERT INTO reservation (res_date, member_id, title_id)  
  
VALUES (SYSDATE, 101, 98);  
  
INSERT INTO reservation (res_date, member_id, title_id)  
  
VALUES (SYSDATE, 104, 97);  
  
INSERT INTO rental(title_id, copy_id, member_id)  
  
VALUES (98,1,101);
```

15. 更新下列数据

```
UPDATE title_copy  
  
SET status= 'RENTED'  
  
WHERE title_id = 98  
  
AND copy_id = 1;  
  
DELETE  
  
FROM reservation  
  
WHERE member_id = 101;
```

16. 查询视图title_avail中的所有数据

17. 向表title中加入新的列price , 属性为NUMBER(8,2)

18. 向price列中插入数据（使用变量）

<i>Title</i>	<i>Price</i>
Willie and Christmas Too	25
Alien Again	35
The Glob	35
My Day Off	35
Miracles on Ice	30
Soda Gang	35
Interstellar Wars	29

19. 在新列price中加入非空约束

20. 检验刚才所作的修正