

Yuwen Sang

COMP 3421 Exercise4 (Work with Shuai Ma)

```
1 • show databases;
2 • drop database if exists skiingdatabase;
3 • create database skiingdatabase;
4 • use skiingdatabase;
5
6 • drop table if exists PassHolder;
7 • create table PassHolder(
8     passID int,
9     pname varchar (20),
10    age int,
11    residenceCite varchar (20),
12    residenceState varchar (20),
13    primary key (passID));
14
15
16 • drop table if exists Resort;
17 • create table Resort(
18     resortName varchar (20),
19     state varchar (20),
20     baseElevation int,
21     primary key (resortName));
22
23
24 • drop table if exists ValidAt ;
25 • create table ValidAt(
26     passID int
```

```

23
24 • drop table if exists ValidAt ;
25 • create table ValidAt(
26     passID int,
27     resortName varchar (45),
28     primary key (passID,resortName));
29
30 • insert into PassHolder values (1,'name1',43,'address1','state1');
31 • insert into PassHolder values (2,'name2',29,'address2','state2');
32 • insert into PassHolder values (3,'name3',34,'address3','state3');
33 • insert into PassHolder values (4,'name4',18,'address4','state4');
34 • insert into PassHolder values (5,'name5',25,'address5','state5');
35
36 • insert into Resort values ('resortName1','Rstate','5000');
37 • insert into Resort values ('resortName2','Rstate','4999');
38 • insert into Resort values ('resortName3','Rstate','6001');
39 • insert into Resort values ('resortName4','Rstate','5555');
40 • insert into Resort values ('resortName5','Rstate','7531');
41
42 • insert into ValidAt values (1,'resortName1');
43 • insert into ValidAt values (2,'resortName2');
44 • insert into ValidAt values (3,'resortName3');
45 • insert into ValidAt values (4,'resortName4');
46 • insert into ValidAt values (5,'resortName5');
47
48     ---
49
50     ### 3
51     select pname, age from PassHolder
52     inner join ValidAt on PassHolder.passID = ValidAt.passID
53     where PassHolder.age <= 30;
54
55     ### 4
56     select pname, age from PassHolder
57     inner join ValidAt on PassHolder.passID = ValidAt.passID
58     where PassHolder.age >= 30;
59
60     ### 5
61     delete from PassHolder where age <= 30;
62
63     ### 6
64     select pname, age from PassHolder
65     inner join ValidAt on PassHolder.passID = ValidAt.passID
66     where PassHolder.age <= 30;

```

```
mysql> source E:/Database Mgmt/Exercise4.sql
ERROR:
Failed to open file 'E:/Database Mgmt/Exercise4.sql', error: 2
mysql> source E:/Database Mgmt/Exercise 4.sql
```

```
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| sakila |
| skiingdatabase |
| sys |
| temp |
| test |
| world |
+-----+
```

```
0 rows in set (0.01 sec)
```

```
Query OK, 3 rows affected (0.08 sec)
```

```
Query OK, 1 row affected (0.01 sec)
```

```
Database changed
```

```
Query OK, 0 rows affected, 1 warning (0.01 sec)
```

```
Query OK, 0 rows affected (0.07 sec)
```

```
Query OK, 0 rows affected, 1 warning (0.01 sec)
```

```
Query OK, 0 rows affected (0.07 sec)
```

```
Query OK, 0 rows affected, 1 warning (0.00 sec)
```

```
Query OK, 0 rows affected (0.07 sec)
```

```
Query OK, 1 row affected (0.01 sec)
```

```
Query OK, 1 row affected (0.01 sec)
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Query OK, 1 row affected (0.01 sec)
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Query OK, 1 row affected (0.01 sec)
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Query OK, 1 row affected (0.01 sec)
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```
Query OK, 1 row affected (0.01 sec)
```

```
Query OK, 1 row affected (0.01 sec)
```

```
+-----+-----+
| pname | age |
+-----+-----+
| name2 | 29 |
| name4 | 18 |
| name5 | 25 |
+-----+-----+
```

```
3 rows in set (0.00 sec)
```

```
+-----+-----+
| pname | age |
+-----+-----+
| name1 | 43 |
| name3 | 34 |
+-----+-----+
```

```
2 rows in set (0.00 sec)
```

```
Query OK, 3 rows affected (0.01 sec)
```

```
Empty set (0.00 sec)
```

```
mysql>
```