

GroupA:LabAssignmentNo.2

TITLE:DesignandDevelopSQLDDLstatementswhichdemonstratethe use of SQLObjects such as Table, View, Index, Sequence, Synonym

mysql> use Abhi;

Database changed

mysql>showtables;

Empty set (0.02 sec)

mysql> create table client_master(client_no int,client_name varchar(20),address varchar(50),cityvarchar(10),pincodeint,statevarchar(20),bal_duefloat,primary key(client_no));

QueryOK,0rowsaffected(0.51sec)

mysql>select*fromclient_master;

Empty set (0.02 sec)

mysql> insert into client_master values('001','abhi','nasik','nasik','422004','MH','5000');

QueryOK,1rowaffected(0.14sec)

mysql>insertintoclient_mastervalues('002','piyu','nasik','nasik','422004','MH','10000');

QueryOK,1rowaffected(0.09sec)

mysql>insertintoclient_mastervalues('003','abd','nasik','nasik','422003','MH','5000');

QueryOK,1rowaffected(0.06sec)

mysql>insertintoclient_mastervalues('004','abd','nasik','nasik','422003','MH','5000');

QueryOK,1rowaffected(0.05sec)

mysql>insertintoclient_mastervalues('005','abc','nasik','nasik','422003','MH','5000');

QueryOK,1rowaffected(0.06sec)

mysql>select*from client_master;

```
+-----+-----+-----+-----+-----+-----+
+-----+
|client_no|client_name|address|city
|bal_due|
|pincode|state
+-----+-----+-----+-----+-----+-----+
+-----+
|
|1 |abhi
5000||nasik |nasik |422004|MH
|
|2 |piyu
10000||nasik |nasik |422004|MH
|
|3 |abd
5000||nasik |nasik |422003|MH
|
|4 |abd
5000||nasik |nasik |422003|MH
|
|5 |abc
5000||nasik |nasik |422003|MH
+-----+-----+-----+-----+-----+
+-----+
5rowsinset(0.00 sec)
```

mysql>selectclient_name,client_nofromclient_master;

```
+-----+-----+
|client_name|client_no|
+-----+-----+
|abhi |1 |
|piyu|2 |
|abd|3 |
|abd|4 |
|abc|5 |+-----+-----+
5rowsinset(0.00 sec)
```

mysql>insertintoclient_mastervalues('006','xyz','nasik','nasik','422004','MH','6000');

QueryOK,1rowaffected(0.15sec)

mysql>selectclient_name,client_nofromclient_master;

```
+-----+-----+
|client_name|client_no|
+-----+-----+
|abhi |1 |
|piyu|2 |
|abd|3 |
```

--	--

QueryOK 0rowsaffected

```
mysql> insert into prod
```

QueryOK 1 row affected

```
mysql> insert into products
```

QueryOK 1 row affected

mysql> alter table client

QueryOK Rowsaffected

Duplicates:0
Warnings:0

Warnings:0

```
mysql>select*from cli
```

+-----+-----+

client_name|client_name|

client_no	client_name	bal	duo	telephone_no
1	ABC	1000	1	1234567890
2	DEF	2000	1	9876543210
3	GHI	3000	1	5678901234
4	JKL	4000	1	3456789012
5	MNO	5000	1	2345678901
6	PQR	6000	1	1234567890
7	STU	7000	1	0123456789
8	VWX	8000	1	9012345678
9	YZA	9000	1	8901234567
10	BCD	10000	1	7890123456

```
|bal_due|telephone_no|
|pincode|state
```

```
|pincode|state
```

|
|1|bb||1|abhi
5000|

5000 |

| 2 |

|2|piyu
10000|

10000 |

| 3 | chd 5000

|3|abd 5000

41-1-15000

|4|abd 5000|

```

|
|5|abc 5000
|
|
|6|xyz 6000
|
|nasik
|nasik |422004|MH
|nasik |422004|MH
|nasik |422003|MH
|nasik |422003|MH
|nasik |422003|MH
|nasik|422004|MH NULL
|
| nasik
NULL|
| nasik
NULL|
| nasik
NULL|
| nasik
NULL|
| nasik
NULL|
+-----+-----+-----+-----+-----+
+-----+-----+
6rowsinset(0.00 sec)

```

mysql>select*from product_master;

```

+-----+-----+-----+-----+
+-----+-----+-----+-----+
|product_no|description|profit_per|unit_measure| quantity |
reorder | sell_price | cost_price |
+-----+-----+-----+-----+
+-----+-----+-----+-----+
|
4 |
1 |shampoo
|
2 |
10 |
1 |one
15 |
||4
|
2 |oil
2 |
|
11|
13 |one
16 |

```

```
|
+-----+-----+-----+-----+
+-----+-----+-----+-----+
2rowsinset(0.00 sec)
```

mysql>createindexclient_searchonclient_master(client_no);

QueryOK,0rowsaffected(0.42sec) Records:

0

Duplicates:0

Warnings:0

**mysql>createtableauto(roll_noINTNOTNULLAUTO_INCREMENT,name
varchar(20),primary key(roll_no));**

QueryOK,0rowsaffected(0.36sec)

mysql>select*from auto;

Emptyset (0.01 sec)

mysql>insertintoautovalues('1','abc');

Query OK, 1 row affected (0.07 sec)

mysql>insertintoautovalues('2','adc');

Query OK, 1 row affected (0.08 sec)

mysql>altertableauto auto_increment=100;

QueryOK,0rowsaffected(0.07sec) Records:

0

Duplicates:0

mysql>select*from auto;

```
+-----+-----+
|roll_no|name |
+-----+-----+
|1 |abc|
|2 |adc|
```

Warnings:0+-----+ -----+

2rowsinset(0.00 sec)

mysql>insertintoauto values(null,'abd');

QueryOK,1rowaffected(0.05sec)

mysql>select*from auto;

```
+-----+-----+
|roll_no|name |
+-----+-----+
|1 |abc|
|2 |adc|
|100 |abd|
+-----+-----+
3rowsinset(0.00 sec)
```

mysql>insertintoautovalues(null,'reh');

Query OK, 1 row affected (0.06 sec)

mysql> select * from auto;

```
+-----+-----+
|roll_no|name |
+-----+-----+
|1 |abc|
|2 |adc|
|100 |abd|
|101 |reh|
+-----+-----+
4rowsinset(0.00 sec)
```

mysql>updateclient_mastersetclient_name="nut"whereclient_no='4';

QueryOK,1rowaffected(0.09sec) Rows
matched: 1
Changed:1
Warnings:0

mysql>select*from client_master;

```
+-----+-----+-----+-----+-----+-----+
+-----+-----+
|client_no|client_name|address|city
|bal_due|telephone_no|
|pincode|state
+-----+-----+-----+-----+-----+-----+
+-----+-----+
|
|1 |abhi
5000|NULL|
|nasik
|
|2 |piyu
10000|NULL|
|
|3 |abd
```

```

5000|NULL|
|
|4 |nut
5000|NULL|
|
|5 |abc
5000|NULL|
|
|6 |xyz
6000|NULL|
|nasik
|nasik
|nasik
|nasik
|nasik
|nasik |422004|MH
|nasik |422004|MH
|nasik |422003|MH
|nasik |422003|MH
|nasik |422003|MH
|nasik |422004|MH
+-----+-----+-----+-----+-----+-----+
+-----+-----+
6rowsinset(0.00 sec)

```

mysql>createindexclient_findonclient_master(client_name,city);

```

affected(0.41 sec)
Records:0
Duplicates:0

```

mysql>show tables;

```

+-----+
|Tables_in_Abhi|
+-----+
|auto
|
Warnings:0
QueryOK,0rows|client_master
|
|product_master|
+-----+
3rowsinset(0.08 sec)

```

mysql>select*from product_master;

```

+-----+-----+-----+-----+
+-----+-----+-----+
|product_no|description|profit_per|unit_measure| quantity |
reorder | sell_price | cost_price |
+-----+-----+-----+-----+

```

```

+-----+-----+-----+-----+
|
4 |1 |shampoo
|
2 |
10 |1 |one
15 ||
|
4 |2 |oil
2 |13 |one
16 ||
|
11|
+-----+-----+-----+-----+
+-----+-----+-----+-----+
2rowsinset(0.00 sec)

```

mysql>descproduct_master;

```

+-----+-----+-----+-----+-----+
|Field
|Type
|Null |Key|Default|Extra|
+-----+-----+-----+-----+
|product_no|int(11)
|description| profit_per
|NO
|PRI |NULL|| | | |
|varchar(20)|YES||NULL||
|float|YES||NULL||
|unit_measure|varchar(10)|YES||NULL||
|quantity|int(11)|YES||NULL||
|reorder|int(11)|YES||NULL||
|sell_price |float |YES||NULL||
|cost_price|float|YES||NULL||
+-----+-----+-----+-----+
8rowsinset(0.05 sec)

```

mysql>altertableclient_masterrenametoc_master;

QueryOK,0rowsaffected(0.25sec)

mysql>insertintoproduct_mastervalues('003','nutela','15','three','40','5','110','123');

QueryOK,1rowaffected(0.05sec)

mysql>altertableproduct_mastermodifysell_pricefloat(10,2);

QueryOK,0rowsaffected(0.06sec) Records:

0

Duplicates:0

Warnings:0

mysql>descproduct_master;

```
+-----+-----+-----+-----+
|Field|
|Type|
|Null|Key|Default|Extra|
+-----+-----+-----+-----+
|product_no|int(11)|
|description|profit_per|
|NO|
|PRI|NULL|| | | |
|varchar(20)|YES||NULL||
|float|YES||NULL||
|unit_measure|varchar(10)|YES||NULL||
|quantity|int(11)|YES||NULL||
|reorder|int(11)|YES||NULL||
|sell_price|float(10,2)|YES||NULL||
|cost_price|float||NULL||
|YES|
+-----+-----+-----+-----+
8rowsinset(0.00 sec)
```

mysql>createviewclientasselectclient_no,client_namefromc_master;

QueryOK,0rowsaffected(0.05sec)

mysql>select*from client;

```
+-----+-----+client_no|client_name|
+-----+-----+
|5|abc|
|3|abd|
|1|abhi|
|4|nut|
|2|piyu|
|6|xyz|
+-----+-----+
6rowsinset(0.23sec)
```

mysql>