

Group A: Lab Assignment No. 2 (A)

TITLE: Design and Develop SQL DDL statements which demonstrate the use of SQL objects such as Table, View, Index, Sequence, Synonym

.....
mysql> use mysql;

Database changed

mysql> show tables;

Empty set (0.02 sec)

mysql> create table client_master(client_no int,client_name varchar(20),address varchar(50),city varchar(10),pincode int,state varchar(20), bal_due float,primary key(client_no));

Query OK, 0 rows affected (0.51 sec)

mysql> select * from

client_master; Empty set (0.02 sec)

mysql>insert into client_aster values('001','sanchita','satara','satara','415004','MH','5000');

Query OK, 1 row affected (0.14 sec)

mysql> insert into client_aster values('002','vrushali','satara','satara','415004','MH','10000');

Query OK, 1 row affected (0.09 sec)

mysql> insert into client_aster values('003','raj','satara','satara','415003','MH','5000');

Query OK, 1 row affected (0.06 sec)

mysql>insert into client_aster values('004','raj','satara','satara','415003','MH','5000');

Query OK, 1 row affected (0.05 sec)

mysql>insert into client_aster values('005','raj','satara','satara','415003','MH','5000');

mysql> select * from client_aster;

client_no	client_name	address	city	pincode	state	bal_due
1	sanchita	satara	satara	415004	MH	5000
2	vrushali	satara	satara	415004	MH	10000
3	raj	satara	satara	415003	MH	5000
4	raj	satara	satara	415003	MH	5000
5	raj	satara	satara	415003	MH	5000

5 rows in set (0.00 sec)

mysql> select client_name,client_no from client_aster;

client_name	client_no
sanchita	1
vrushali	2
raj	3
raj	4
raj	5

5 rows in set (0.00 sec)

mysql> insert into client_master values('006','xyz','nasik','nasik','422004','MH','6000');

Query OK, 1 row affected (0.15 sec)

mysql> select client_name,client_no from client_aster;

client_name	client_no
sanchita	1
vrushali	2
raj	3
raj	4
raj	5
shravani	6

6 rows in set (0.00 sec)

mysql> create table product_master(product_no int,description varchar(20),profit_per float,unit_measure varchar(10),quantity int,reorder int,sell_price float,cost_price float,primary key(product_no));

Query OK, 0 rows affected (0.77 sec)

mysql> insert into product_master values('001','shampoo','1','one','4','2','10','15');

Query OK, 1 row affected (0.17 sec)

```
mysql> insert into product_master values('002','oil','13','one','4','2','11','16');
```

Query OK, 1 row affected (0.06 sec)

```
mysql> alter table client_master add telephone_no int;
```

Query OK, 0 rows affected (1.04 sec)

Records: 0

Duplicates: 0

Warnings: 0

```
mysql> select * from client_aster;
```

client_no	client_name	address	city	pincode	state	bal_due	telephone_no
1	sanchita	satara	satara	415004	MH	5000	NULL
2	vrushali	satara	satara	415004	MH	10000	NULL
3	raj	satara	satara	415003	MH	5000	NULL
4	raj	satara	satara	415003	MH	5000	NULL
5	raj	satara	satara	415003	MH	5000	NULL
6	shravani	satara	satara	415004	MH	6000	NULL

6 rows in set (0.00 sec)

```
mysql> select * from product_master;
```

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

2 rows in set (0.00 sec)

```
mysql> create index client_search on client_master(client_no);
```

Query OK, 0 rows affected (0.42 sec)

Records: 0

Duplicates: 0

Warnings: 0

```
mysql> create table auto(roll_no int NOT NULL AUTO_INCREMENT,name  
varchar(20),primary key(roll_no));
```

Query OK, 0 rows affected (0.36 sec)

```
mysql> select * from auto;
```

Empty set (0.01 sec)

```
mysql> insert into auto values('1','abc');
```

Query OK, 1 row affected (0.07 sec)

```
mysql> insert into auto values('2','adc');
```

Query OK, 1 row affected (0.08 sec)

mysql> alter table auto auto_increment=100;

Query OK, 0 rows affected (0.07 sec)

Records: 0

Duplicates: 0

mysql> select * from auto1;

roll_no	name
1	abc
2	sanchita

2 rows in set (0.00 sec)

mysql> insert into auto values(null,'abd');

Query OK, 1 row affected (0.05 sec)

mysql> select * from auto;

roll_no	name
1	abc
2	adc
100	abd

2 rows in set (0.00 sec)

mysql> insert into auto

values(null,'reh'); Query OK, 1 row

affected (0.06 sec) **mysql> select * from**

auto1;

roll_no	name
1	abc
2	sanchita
100	vrushali
101	raj

4 rows in set (0.00 sec)

mysql> update client_master set client_name="nut" where client_no='4';

Query OK, 1 row affected (0.09 sec)

Rows matched: 1

Changed: 1

Warnings: 0

mysql> select * from client_aster;

client_no	client_name	address	city	pincode	state	bal_due	telephone_no
1	sanchita	satara	satara	415004	MH	5000	NULL
2	vrushali	satara	satara	415004	MH	10000	NULL
3	raj	satara	satara	415003	MH	5000	NULL
4	nut	satara	satara	415003	MH	5000	NULL
5	raj	satara	satara	415003	MH	5000	NULL
6	shravani	satara	satara	415004	MH	6000	NULL

6 rows in set (0.00 sec)

mysql> create index client_find on client_master(client_name,city);

affected (0.41 sec)

Records: 0

Duplicates: 0

mysql> show tables;

Tables_in_Abhi
auto

Warnings: 0

Query OK, 0 rows in set (0.00 sec)

product_master

3 rows in set (0.08 sec)

mysql> select * from product_master;

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

2 rows in set (0.00 sec)

mysql> desc product_master;

Field	Type	Null	Key	Default	Extra
product_no	int	NO	PRI	NULL	
description	varchar(20)	YES		NULL	

profit_per	float	YES	NULL
unit_measure	varchar(10)	YES	NULL
quantity	int	YES	NULL
reorder	int	YES	NULL
sell_price	float	YES	NULL
cost_price	float	YES	NULL

8 rows in set (0.00 sec)

```
mysql> alter table client_master rename to c_master;
```

Query OK, 0 rows affected (0.25 sec)

```
mysql> insert into product_master values('003','nutela','15','three','40','5','110','123');
```

Query OK, 1 row affected (0.05 sec)

```
mysql> alter table product_master modify sell_price float(10,2);
```

Query OK, 0 rows affected (0.06 sec)

Records: 0

Duplicates: 0

Warnings: 0

```
mysql> desc product_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					

8 rows in set (0.00 sec)

```
mysql> create view client as select client_no,client_name from c_master;
```

Query OK, 0 rows affected (0.05 sec)

```
mysql> select * from client;
```

client_no	client_name
4	nut
3	raj

```
| 5|raj |
| 1|sania |
| 6|shavani |
| 2|vushni |
+-----+
6rows in set(0.00sec)mysql>
```