

## Assignment 3

Create a table called Customer table with the following structure.

Name	Type
Cust_id	Number
Cust_name	Varchar2(20)
Cust_street	Varchar2(20)
Cust_city	Varchar2(20)

Create a table called Cust\_order table with the following structure.

Name	Type
Order_id	Number
Order_no	Number
Cust_id	Number

**Practice the queries using DDL and DML:**

To create a table

**Commands:**

```
create database week3;

use week3;
create table customer_table
(
    cust_id Numeric,
    cust_name Varchar(20) NOT NULL,
    cust_street varchar(20) NOT NULL,
```

```
        cust_city varchar(20) NOT NULL
    );
```

```
use week3;
create table cust_order
(
    order_id Numeric,
    order_no Numeric NOT NULL,
    cust_id Numeric NOT NULL
);
```

- A. Add constraint primary key and foreign key to the table.

**Commands:**

```
use week3;
ALTER TABLE customer_table
ADD PRIMARY KEY (cust_id);

alter table cust_order
ADD constraint FK_cust_id
foreign key (cust_id) references customer_table(cust_id);
```

- B. Insert records into the table with at least one entry of 'hyd' in cust\_city.

**Commands:**

```
use week3;
INSERT INTO customer_table VALUES
(352,'LOkesh','1 town','vij'),
(371,'Satya','2 town','vij'),
(355,'Avinash','main street','hyd');
```

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Contents:

	cust_id	cust_name	cust_street	cust_city
▶	352	LOkesh	1 town	vij
	355	Avinash	main street	hyd
	371	Satya	2 town	vij
•	NULL	NULL	NULL	NULL

```

use week3;
INSERT INTO cust_order VALUES
(1,1001,352),
(2,1002,371);

```

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	order_id	order_no	cust_id
▶	1	1001	352
	2	1002	371

C. Add the salary column to the Customer table.

### Commands:

```

use week3;
ALTER TABLE customer_table
ADD salary INT;

```

Result Grid					
Filter Rows:					
Edit:					
Export/Import:					
	cust_id	cust_name	cust_street	cust_city	salary
▶	352	LOkesh	1 town	vij	NULL
	355	Avinash	main street	hyd	NULL
	371	Satya	2 town	vij	NULL
*	NULL	NULL	NULL	NULL	NULL

D. Change the column name from Cust\_street to Cust\_street\_name.

### Commands:







```
use week3;
ALTER TABLE customer_table
rename column cust_street to cust_street_name;
```

Result Grid					
Filter Rows:					
Edit:					
Export/Import:					
Wrap Cell Content:					
	cust_id	cust_name	cust_street_name	cust_city	salary
▶	352	LOkesh	1 town	vij	NULL
	355	Avinash	main street	hyd	NULL
	371	Satya	2 town	vij	NULL
*	NULL	NULL	NULL	NULL	NULL

E. Drop the salary column of the Customer table.

### Commands:

```
use week3;
ALTER TABLE customer_table
drop column salary;
```







Result Grid				
Filter Rows: <input type="text"/>				
Edit:   				
Export/Import:  				
Wrap Cell Content: 				
	cust_id	cust_name	cust_street_name	cust_city
▶	352	Lokesh	1 town	vij
	355	Avinash	main street	hyd
	371	Satya	2 town	vij
•	NULL	NULL	NULL	NULL

F. Delete the rows of Customer table whose cust\_city is 'hyd'

### Commands:

use week3;

delete from customer\_table where cust\_city = 'hyd';

Result Grid				
Filter Rows: <input type="text"/>				
Edit:   				
Export/Import:  				
Wrap Cell Content: 				
	cust_id	cust_name	cust_street_name	cust_city
▶	352	Lokesh	1 town	vij
	371	Satya	2 town	vij
•	NULL	NULL	NULL	NULL

G. Add constraint not null to Order\_no

### Commands:

use week3;

alter table cust\_order

MODIFY COLUMN order\_no INT NOT NULL;

```
use week3;  
INSERT INTO cust_order VALUE  
(1,null,352);
```

✓	10-24-10 10:22:42	alter table cust_order MODIFY COLUMN order_no INT NOT NULL	2 row(s) affected Records: 2 Duplicates: 0 Warnings: 0	0.031 sec
✓	39 10-24-10	use week3	0 row(s) affected	0.000 sec
✗	40 10-24-10	INSERT INTO cust_order VALUE (1,null,352)	Error Code: 1048. Column 'order_no' cannot be null	0.000 sec