

HARI PRASATH S

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NO SQL LAB

Q1:

```
SQL> create table myrest(name varchar(8),foodtype varchar(8),dist number(2),lvisit date,ilike number(1));
```

Table created.

```
SQL> desc myrest;
```

Name	Null?	Type
-----	-----	-----
NAME		VARCHAR2(8)
FOODTYPE		VARCHAR2(8)
DIST		NUMBER(2)
LVISIT		DATE
ILIKE		NUMBER(1)

Q2:

```
SQL> insert into myrest values('app_leaf','nonveg',15,'01-jan-2020',1);
```

1 row created.

```
SQL> alter table myrest modify(name varchar(10));
```

Table altered.

```
SQL> insert into myrest values('sowmys','veg',18,'20-mar-2020',1);
```

1 row created.

```
SQL> insert into myrest values('thinnapa','nonveg',25,'20-nov-2019',0);
```

1 row created.

```
SQL> insert into myrest(name,foodtypr,dist,lvisit,ilike)values('&name','&foodtypr','&dist','&lvisit','&ilike');
```

Enter value for name: sribhavan

Enter value for foodtypr: veg

Enter value for dist: 18

Enter value for lvisit: 20-dec-2019

Enter value for ilike: 0

old 1: insert into myrest(name,foodtype,dist,lvisit,ilike)values('&name','&foodtypr','&dist','&lv

new 1: insert into myrest(name,foodtype,dist,lvisit,ilike)values('sribhavan','veg','18','20-dec-2

1 row created.

SQL> insert into myrest(name,foodtype,dist,lvisit,ilike)values('&name','&foodtypr','&dist','&lvisit',
, '&ilike');

Enter value for name: chinaworld

Enter value for foodtype: chinese

Enter value for dist: 14

Enter value for lvisit: 05-mar-2020

Enter value for ilike: 1

old 1: insert into myrest(name,foodtype,dist,lvisit,ilike)values('&name','&foodtypr','&dist','&lvi

new 1: insert into myrest(name,foodtype,dist,lvisit,ilike)values('chinaworld','chines','14','05-ma

1 row created.

SQL> desc myrest;

Name	Null?	Type

NAME		VARCHAR2(10)
FOODTYPE		VARCHAR2(8)
DIST		NUMBER(2)
LVISIT		DATE
ILIKE		NUMBER(1)

SQL> insert into myrest(name,foodtype,dist,lvisit,ilike)values('&name','&foodtypr','&dist','&lvisit',
, '&ilike');

Enter value for name: lit_china

Enter value for foodtypr: chinese

Enter value for dist: 30

Enter value for lvisit: 10-mar-2020

Enter value for ilike: 0

old 1: insert into myrest(name,foodtype,dist,lvisit,ilike)values('&name','&foodtypr','&dist','&lvi

new 1: insert into myrest(name,foodtype,dist,lvisit,ilike)values('lit_china','chines','30','10-mar

1 row created.

SQL> insert into myrest(name,foodtype,dist,lvisit,ilike)values('&name','&foodtypr','&dist','&lvisit',
, '&ilike');

Enter value for name: munivilas

Enter value for foodtypr: nonveg

Enter value for dist: 20

Enter value for lvisit: 05-dec-2019

Enter value for ilike:

old 1: insert into myrest(name,foodtype,dist,lvisit,ilike)values('&name','&foodtypr','&dist','&lvi

new 1: insert into myrest(name,foodtype,dist,lvisit,ilike)values('munivilas','nonveg','20','05-dec

1 row created.

SQL> insert into myrest(name,foodtype,dist,lvisit,ilike)values('&name','&foodtype','&dist','&lvisit',
, '&ilike');

Enter value for name: dosacorner

Enter value for foodtype: nonveg

Enter value for dist: 10

Enter value for lvisit: 05-feb-2020

Enter value for ilike: 1

old 1: insert into myrest(name,foodtype,dist,lvisit,ilike)values('&name','&foodtype','&dist','&lvi

new 1: insert into myrest(name,foodtype,dist,lvisit,ilike)values('dosacorner','nonveg','10','09-fe

1 row created.

Q3:

SQL> select * from myrest;

NAME	FOODTYPE	DIST	LVISIT	ILIKE
-----	-----	-----	-----	-----
app_leaf	nonveg	15	01-JAN-20	1
sowmys	veg	18	20-MAR-20	1
thinnapa	nonveg	25	20-NOV-19	0

sribhavan	veg	18	20-DEC-19	0
chinaworld	chinese	14	05-MAR-20	1
lit_china	chinese	30	10-MAR-20	0
munivilas	nonveg	20	05-DEC-19	
dosacorner	nonveg	10	05-FEB-20	1

8 rows selected.

Q4:i

```
SQL> select listagg(name,',')within group(order by name)name from
```

```
2 myrest;
```

NAME

app_leaf,chinaworld,dosacorner,lit_china,munivilas,sowmys,sribhavan,thinnapa

Q4:ii

```
SQL> select listagg(foodtype,'|')within group(order by foodtype)foodtype from
```

```
2 myrest;
```

FOODTYPE

chines|chines|nonveg|nonveg|nonveg|nonveg|veg|veg

```
SQL> update myrest set foodtype='chinese' where name='chinaworld';
```

1 row updated.

```
SQL> select * from myrest;
```

NAME	FOODTYPE	DIST	LVISIT	ILIKE
-----	-----	-----	-----	-----
app_leaf	nonveg	15	01-JAN-20	1
sowmys	veg	18	20-MAR-20	1
thinnapa	nonveg	25	20-NOV-19	0
sribhavan	veg	18	20-DEC-19	0
chinaworld	chinese	14	05-MAR-20	1
lit_china	chinese	30	10-MAR-20	0
munivilas	nonveg	20	05-DEC-19	
dosacorner	nonveg	10	05-FEB-20	1

8 rows selected.

```
SQL> alter table myrest modify (name varchar(13));
```

Table altered.

```
SQL> update myrest set name='apple_leaf' where dist=15;
```

1 row updated.

```
SQL> update myrest set name='littlechina' where dist=30;
```

1 row updated.

Q3:

```
SQL> select * from myrest;
```

NAME	FOODTYPE	DIST	LVISIT	ILIKE
apple_leaf	nonveg	15	01-JAN-20	1
sowmys	veg	18	20-MAR-20	1
thinnapa	nonveg	25	20-NOV-19	0
sribhavan	veg	18	20-DEC-19	0
chinaworld	chinese	14	05-MAR-20	1
littlechina	chinese	30	10-MAR-20	0
munivilas	nonveg	20	05-DEC-19	
dosacorner	nonveg	10	05-FEB-20	1

8 rows selected.

Q4:iii

```
SQL> alter table myrest modify(name varchar(15), foodtype varchar(15),dist number(15),ilike number(15));
```

Table altered.

```
SQL> select * from myrest;
```

NAME	FOODTYPE	DIST	LVISIT	ILIKE
apple_leaf	nonveg	15	01-JAN-20	1
sowmys	veg	18	20-MAR-20	1
thinnapa	nonveg	25	20-NOV-19	0

sribhavan	veg	18	20-DEC-19	0
chinaworld	chinese	14	05-MAR-20	1
littlechina	chinese	30	10-MAR-20	0
munivilas	nonveg	20	05-DEC-19	
dosacorner	nonveg	10	05-FEB-20	1

8 rows selected.

SQL> desc myrest;

Name	Null?	Type

NAME		VARCHAR2(15)
FOODTYPE		VARCHAR2(15)
DIST		NUMBER(15)
LVISIT		DATE
ILIKE		NUMBER(15)

Q5:i

SQL>select replace (ilike,'1','i liked it')from myrest;

REPLACE(ILIKE,'1','ILIKEDIT')

i liked it i liked it

0 0 1

liked it

0 i

liked it

8 rows selected.

Q5:ii

SQL>select replace (ilike,'0','i hated it')from myrest;

REPLACE(ILIKE,'0','IHATEDIT')

1 1 i

hated it i

hated it

1 i hated

it

1

8 rows selected.

Q6:

SQL> select name,distance from myrest where distance<=20 order by name;

NAME	DISTANCE
------	----------

apple_leaf	15
------------	----

chinaworld	14
------------	----

dosacorner	10
------------	----

munivilas	20
-----------	----

sowmyas	18
---------	----

sribhavan	18
-----------	----

6 rows selected.

Q7:

SQL> select name from myrest where foodtype='chinese' order by name desc;

NAME

littlechina

Chinaworld

Q8:.

select name from myrest where lastvisit>'05-feb-2020' order by name asc;

NAME

chinaworld

littlechina

Sowmyas

Q9:

SQL> select name from myrest where ilike=1 and lastvisit>='01-jan-2020';

NAME

apple_leaf

sowmyas

chinaworld

Dosacorner

Q10:

SQL> select name from myrest where distance<=15 and foodtype='chinese' ;

NAME

chinaworld