

Lab1. Developing and Querying MyRestaurants Database

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Question:1

```
create table MyRestaurants(name varchar(15),foodtype varchar(15),distance
number(3),lastvisit date,ilike number(1));
```

Question:2 I

```
SQL> insert into
```

```
MyRestaurants(name,foodtype,distance,lastvist,ilike)values('&name','&foodtype','&distance','&lastv
ist','&ilike');
```

Enter value for name: apple_leaf

Enter value for foodtype: nonveg

Enter value for distance: 15

Enter value for lastvist: 01-jan-2020

Enter value for ilike: 1

```
old 1: insert into
```

```
MyRestaurants(name,foodtype,distance,lastvist,ilike)values('&name','&foodtype','&distance','&lastv
ist','&ilike')
```

```
new 1: insert into
```

```
MyRestaurants(name,foodtype,distance,lastvist,ilike)values('apple_leaf','nonveg','15','01-jan-
2020','1')
```

1 row created.

```
SQL> /
```

Enter value for name: sowmyas

Enter value for foodtype: veg

Enter value for distance: 18

Enter value for lastvist: 20-mar-2020

Enter value for ilike: 1

```
old 1: insert into
MyRestaurants(name,foodtype,distance,lastvist,ilike)values('&name','&foodtype','&distance','&lastv
ist','&ilike')
```

```
new 1: insert into
MyRestaurants(name,foodtype,distance,lastvist,ilike)values('sowmyas','veg','18','20-mar-2020','1')
```

1 row created.

SQL> /

Enter value for name: thinnappa

Enter value for foodtype: nonveg

Enter value for distance: 25

Enter value for lastvist: 20-nov-2019

Enter value for ilike: 0

```
old 1: insert into
MyRestaurants(name,foodtype,distance,lastvist,ilike)values('&name','&foodtype','&distance','&lastv
ist','&ilike')
```

```
new 1: insert into
MyRestaurants(name,foodtype,distance,lastvist,ilike)values('thinnappa','nonveg','25','20-nov-
2019','0')
```

1 row created.

SQL> /

Enter value for name: sribhavan

Enter value for foodtype: veg

Enter value for distance: 18

Enter value for lastvist: 20-dec-2019

Enter value for ilike: 0

```
old 1: insert into
MyRestaurants(name,foodtype,distance,lastvist,ilike)values('&name','&foodtype','&distance','&lastv
ist','&ilike')
```

```
new 1: insert into
MyRestaurants(name,foodtype,distance,lastvist,ilike)values('sribhavan','veg','18','20-dec-2019','0')
```

1 row created.

SQL> /

Enter value for name: chinaworld

Enter value for foodtype: chinese

Enter value for distance: 14

Enter value for lastvist: 05-mar-2020

Enter value for ilike: 1

old 1: insert into

MyRestaurants(name,foodtype,distance,lastvist,ilike)values('&name','&foodtype','&distance','&lastvist','&ilike')

new 1: insert into

MyRestaurants(name,foodtype,distance,lastvist,ilike)values('chinaworld','chinese','14','05-mar-2020','1')

1 row created.

SQL> /

Enter value for name: littlechina

Enter value for foodtype: chinese

Enter value for distance: 30

Enter value for lastvist: 10-mar-2020

Enter value for ilike: 0

old 1: insert into

MyRestaurants(name,foodtype,distance,lastvist,ilike)values('&name','&foodtype','&distance','&lastvist','&ilike')

new 1: insert into

MyRestaurants(name,foodtype,distance,lastvist,ilike)values('littlechina','chinese','30','10-mar-2020','0')

1 row created.

SQL> /

Enter value for name: munivilas

Enter value for foodtype: nonveg

Enter value for distance: 20

Enter value for lastvist: 05-feb-2019

Enter value for ilike:

old 1: insert into

```
MyRestaurants(name,foodtype,distance,lastvist,ilike)values('&name','&foodtype','&distance','&lastvist','&ilike')
```

new 1: insert into

```
MyRestaurants(name,foodtype,distance,lastvist,ilike)values('munivilas','nonveg','20','05-feb-2019','')
```

1 row created.

SQL> /

Enter value for name: dosacorner

Enter value for foodtype: nonveg

Enter value for distance: 10

Enter value for lastvist: 05-feb-2020

Enter value for ilike: 1

old 1: insert into

```
MyRestaurants(name,foodtype,distance,lastvist,ilike)values('&name','&foodtype','&distance','&lastvist','&ilike')
```

new 1: insert into

```
MyRestaurants(name,foodtype,distance,lastvist,ilike)values('dosacorner','nonveg','10','05-feb-2020','1')
```

1 row created.

Questions:3

SQL> select*from MyRestaurants;

NAME	FOODTYPE	DISTANCE	LASTVIST	ILIKE
apple_leaf	nonveg	15	01-JAN-20	1

sowmyas	veg	18 20-MAR-20	1
thinnappa	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-FEB-19	
dosacorner	nonveg	10 05-FEB-20	1

8 rows selected.

Questions:4

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

2 MyRestaurants;

NAME

apple_leaf,chinaworld,dosacorner,littlechina,munivilas,sowmyas,sribhavan,thinnappa

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

2 MyRestaurants;

FOODTYPE

chinese|chinese|nonveg|nonveg|nonveg|nonveg|veg|veg

alter table MyRestaurants modify (name varchar(15),foodtype varchar(15),distance
number(15),lastvisit date,ilike number(15));

desc MyRestaurants;

Name	Null?	Type
------	-------	------

NAME	VARCHAR2(15)
------	--------------

FOODTYPE	VARCHAR2(15)
----------	--------------

DISTANCE NUMBER(15)

LASTVISIT DATE

ILIKE NUMBER(15)

SQL> select name as " ",foodtype as" ",distance as" ",lastvisit as " ",ilike " "from MyRestaurants;

```
-----
apple_leaf  nonveg      15 01-JAN-20    1
sowmyas     veg         18 20-MAR-20    1
thinnappa   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-FEB-19
dosacorner  nonveg      10 05-FEB-20    1
```

8 rows selected.

Questions:5

select replace (ilike,'1','i liked it')from MyRestaurants;

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

```
-----
i liked it
```

i liked it

0

0

i liked it

0

i liked it

8 rows selected.

```
select replace (ilike,'O','i hated it')from MyRestaurants;
```

```
REPLACE(ILIKE,'O','IHATEDIT')
```

```
-----  
1
```

```
1
```

```
i hated it
```

```
i hated it
```

```
1
```

```
i hated it
```

```
1
```

8 rows selected.

Question:6

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

```
NAME          DISTANCE  
-----
```

```
apple_leaf      15
```

```
chinaworld      14
```

```
dosacorner      10
```

```
munivilas       20
```

```
sowmyas         18
```

```
sribhavan       18
```

6 rows selected.

Question:7

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

```
NAME
```

littlechina

Chinaworld

Question:8

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

NAME

chinaworld

littlechina

sowmyas

Question:9

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

NAME

apple_leaf

sowmyas

chinaworld

Dosacorner

Question:10

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

2 ;

NAME

chinaworld