

Lab2. Developing and Querying MyRestaurants Database

1)

```
SQL>create table MyRestaurants(name varchar(20),foodtype varchar(20),distance  
number(5),lastvisit date,ilike number(2));
```

2)

```
SQL>insert into MyRestaurants values('&name','&foodtype','&distance','&lastvisit','&ilike');
```

3)

```
SQL>select name from MyRestaurants;
```

NAME

```
-----  
apple  
sowmyas  
thinnappa  
sribhav  
muni
```

4)

```
SQL>SELECT LISTAGG(name, ',') WITHIN GROUP (ORDER BY name ASC) FROM MyRestaurants;
```

```
LISTAGG(NAME, ',')WITHINGROUP(ORDERBYNAMEASC)
```

```
-----  
apple,muni,sowmyas,sribhav,thinnappa
```

```
SQL>SELECT LISTAGG(name, '|') WITHIN GROUP (ORDER BY name ASC) FROM MyRestaurants;
```

```
LISTAGG(NAME, '|')WITHINGROUP(ORDERBYNAMEASC)
```

```
-----  
apple|muni|sowmyas|sribhav|thinnappa
```

```
SQL> set linesize 15;
```

```
SQL> select * from MyRestaurants;
```

NAME

FOODTYPE

DISTANCE

LASTVISIT

ILIKE

```
-----  
apple  
nonv
```

15

NAME

FOODTYPE

DISTANCE

LASTVISIT

ILIKE

01-JAN-20

1

NAME

FOODTYPE

DISTANCE

LASTVISIT

ILIKE

sowmyas

veg

18

NAME

FOODTYPE

DISTANCE

LASTVISIT

ILIKE

20-MAR-20

1

NAME

FOODTYPE

DISTANCE

LASTVISIT

ILIKE

thinnappa

nonv

25

NAME

FOODTYPE

DISTANCE

LASTVISIT

ILIKE

20-NOV-19
0

NAME

FOODTYPE

DISTANCE

LASTVISIT

ILIKE

sribhav
veg
18

NAME

FOODTYPE

DISTANCE

LASTVISIT

ILIKE

20-DEC-19
0

NAME

FOODTYPE

DISTANCE

LASTVISIT

ILIKE

muni
nonv
20

NAME

FOODTYPE

DISTANCE

LASTVISIT

ILIKE

05-DEC-19

```
SQL> set heading off;
SQL> select * from MyRestaurants;
```

```
apple
nonv
15
01-JAN-20
1
```

```
sowmyas
veg
18
20-MAR-20
1
```

```
thinnappa
```

```
nonv
25
20-NOV-19
0
```

```
sribhav
veg
18
20-DEC-19
0
```

```
muni
nonv
20
05-DEC-19
```

5)

```
SQL>create table doyou(rate number(2),comment varchar(10));
```

```
SQL> SELECT MyRestaurants.name, doyou.comment FROM MyRestaurants,doyou WHERE
MyRestaurants.ilike = doyou.rate;
```

NAME	comment
sowmyas	I liked it
apple	I liked it
sribhav	I hated it
thinnappa	I hated it

6)

```
SQL>SELECT name, distance FROM MyRestaurants WHERE distance <= '20' ORDER BY name ;
```

NAME	DISTANCE
apple	15
muni	20
sowmyas	18
sribhav	18

7)

```
select name from MyRestaurants where foodtype='chinese' ORDER BY name DESC;  
NAME
```

```
-----  
littlechina  
chinaworld
```

8)

```
SELECT name FROM MyRestaurants WHERE lastvisit >= ADD_MONTHS( SYSDATE, -2 ) order by  
name;
```

9)

```
SELECT name FROM MyRestaurants WHERE lastvisit >= ADD_MONTHS( SYSDATE, -3 ) & ilike=1;
```

10)

```
SELECT name FROM MyRestaurants WHERE distance <= 15 & ilike=1 & foodtype='chinese';
```