1search blank

name

zip

type(rest or market)

score

date

Q14:

select dbms\_inspection.serial\_number,dbms\_inspection.activity\_date,dbms\_inspection.record\_id, dbms\_inspection.employee\_id, dbms\_inspection.score, dbms\_inspection.grade, dbms\_violation.violation\_code,

dbms\_violation.violation\_status, dbms\_violation.violation\_description from

dbms\_program, dbms\_owner, dbms\_lie\_in, dbms\_facility, dbms\_inspection, dbms\_violate, dbms\_violation

where dbms\_program.record\_id = dbms\_inspection.record\_id and dbms\_program.record\_id = dbms\_lie\_in. record\_id and

dbms\_lie\_in.facility\_id = dbms\_facility.facility\_id and dbms\_inspection.serial\_number = dbms\_violate.serial\_number and

dbms\_violate.violation\_code = dbms\_violation.violation\_code and dbms\_owner.owner\_id = dbms\_facility.owner\_id and

program\_name like '%PANDA%' and activity\_date between '08-DEC-15' and '18-DEC-17' and facility\_zip = '90013' and

DBMS\_OWNER.owner\_ID = 'OW0027454' and grade = 'A' and score between '80' and '100'

1折线图

server01.js query 5

the trend of score by timeline

for certain name and zip

输入program\_name like PANDA, zip,**output** record\_id,date and score.

select DBMS\_PROGRAM.record\_id,activity\_date, score from DBMS\_INSPECTION , DBMS\_PROGRAM ,dbms\_facility,dbms\_lie\_in

where DBMS\_INSPECTION.record\_id = DBMS\_PROGRAM.record\_id and dbms\_facility.facility\_id = dbms\_lie\_in.facility\_id

and dbms\_lie\_in.record\_id = dbms\_program.record\_id

and DBMS\_PROGRAM.program\_name like '%PANDA EXPRESS%' and dbms\_facility.facility\_zip = '91355'

order by DBMS\_PROGRAM.record\_id,activity\_date

server04.js query 19

select count(DBMS\_VIOLATE.violation\_code), DBMS\_PROGRAM.record\_id, DBMS\_INSPECTION.activity\_date from DBMS\_PROGRAM, DBMS\_VIOLATE, DBMS\_FACILITY, DBMS\_INSPECTION, DBMS\_LIE\_IN

where DBMS\_PROGRAM.program\_name LIKE 'PANDA EXPRESS%' and DBMS\_PROGRAM.record\_id = DBMS\_LIE\_IN.record\_id and

DBMS\_INSPECTION.record\_id = DBMS\_PROGRAM.record\_id and

DBMS\_LIE\_IN.facility\_id = DBMS\_FACILITY.facility\_id and

DBMS\_VIOLATE.serial\_number = DBMS\_INSPECTION.serial\_number and

DBMS\_FACILITY.facility\_zip = '91355' group by DBMS\_PROGRAM.record\_id, DBMS\_INSPECTION.activity\_date order by DBMS\_PROGRAM.record\_id,activity\_date

2饼状图

server02.js query 7

饼状图：一个项目在所有检查中，各个violation占比（输入record\_id 输出violation description 和 percentage）

输入 record\_id

select violation\_description , 100\*count(\*)/(select count(\*) from dbms\_inspection,dbms\_violate, dbms\_violation where dbms\_inspection.serial\_number = dbms\_violate.serial\_number and

dbms\_violate.violation\_code = dbms\_violation.violation\_code and record\_id = 'PR0025203') from dbms\_inspection,dbms\_violate, dbms\_violation

where dbms\_inspection.serial\_number = dbms\_violate.serial\_number and

dbms\_violate.violation\_code = dbms\_violation.violation\_code and record\_id = 'PR0025203'

group by dbms\_violation.violation\_code, violation\_description order by violation\_description

3柱状图

server05.js query 6

The number of programs with respect to different score ranges.

zip = 90013中不同分数段program的个数

for certain zip

(select '80~85' ,count (\*) from DBMS\_FACILITY, DBMS\_INSPECTION, DBMS\_LIE\_IN

where DBMS\_FACILITY.facility\_id = DBMS\_LIE\_IN.facility\_id and

DBMS\_LIE\_IN.record\_id = DBMS\_INSPECTION.record\_id and

dbms\_facility.facility\_zip = '90013' and score > 80 and score <= 85) union

(select '85~90',count (\*) from DBMS\_FACILITY, DBMS\_INSPECTION, DBMS\_LIE\_IN

where DBMS\_FACILITY.facility\_id = DBMS\_LIE\_IN.facility\_id and

DBMS\_LIE\_IN.record\_id = DBMS\_INSPECTION.record\_id and

dbms\_facility.facility\_zip = '90013' and score > 85 and score <= 90) union

(select '90~95', count (\*) from DBMS\_FACILITY, DBMS\_INSPECTION, DBMS\_LIE\_IN

where DBMS\_FACILITY.facility\_id = DBMS\_LIE\_IN.facility\_id and

DBMS\_LIE\_IN.record\_id = DBMS\_INSPECTION.record\_id and

dbms\_facility.facility\_zip = '90013' and score > 90 and score <= 95

) union

(select '95~100', count (\*) from DBMS\_FACILITY, DBMS\_INSPECTION, DBMS\_LIE\_IN

where DBMS\_FACILITY.facility\_id = DBMS\_LIE\_IN.facility\_id and

DBMS\_LIE\_IN.record\_id = DBMS\_INSPECTION.record\_id and

dbms\_facility.facility\_zip = '90013' and score > 95 and score <= 100)

response.write("],title: {text: null}},yAxis: {min: 0,title: {text: 'the total number of inspections',align: 'high'},labels: {overflow: 'justify'}},tooltip: {valueSuffix: ' millions'},plotOptions: {");

response.write("bar: {dataLabels: {enabled: true}}},legend: {layout: 'vertical',align: 'right',verticalAlign: 'top',x: -40,y: 80,floating: true,borderWidth: 1,backgroundColor: ((Highcharts.theme && Highcharts.theme.legendBackgroundColor) || '#FFFFFF'),shadow: true},credits: {enabled: false},");

response.write(" series: [{name: 'zip 1',data: ["+result.rows[0][1]+","+ result.rows[1][1]+","+ result.rows[2][1]+","+result.rows[3][1]+",]},");

response.write("{name: 'zip2',data: ["+result.rows[4][1]+","+ result.rows[5][1]+","+ result.rows[6][1]+","+result.rows[7][1]+"]}]});");

(select '80~85' ,count (\*) from DBMS\_FACILITY, DBMS\_INSPECTION, DBMS\_LIE\_IN

where DBMS\_FACILITY.facility\_id = DBMS\_LIE\_IN.facility\_id and

DBMS\_LIE\_IN.record\_id = DBMS\_INSPECTION.record\_id and

dbms\_facility.facility\_zip = '90023' and score > 80 and score <= 85) union

(select '85~90',count (\*) from DBMS\_FACILITY, DBMS\_INSPECTION, DBMS\_LIE\_IN

where DBMS\_FACILITY.facility\_id = DBMS\_LIE\_IN.facility\_id and

DBMS\_LIE\_IN.record\_id = DBMS\_INSPECTION.record\_id and

dbms\_facility.facility\_zip = '90023' and score > 85 and score <= 90) union

(select '90~95', count (\*) from DBMS\_FACILITY, DBMS\_INSPECTION, DBMS\_LIE\_IN

where DBMS\_FACILITY.facility\_id = DBMS\_LIE\_IN.facility\_id and

DBMS\_LIE\_IN.record\_id = DBMS\_INSPECTION.record\_id and

dbms\_facility.facility\_zip = '90023' and score > 90 and score <= 95

) union

(select '95~100', count (\*) from DBMS\_FACILITY, DBMS\_INSPECTION, DBMS\_LIE\_IN

where DBMS\_FACILITY.facility\_id = DBMS\_LIE\_IN.facility\_id and

DBMS\_LIE\_IN.record\_id = DBMS\_INSPECTION.record\_id and

dbms\_facility.facility\_zip = '90023' and score > 95 and score <= 100)

union

(select '80~85' ,count (\*) from DBMS\_FACILITY, DBMS\_INSPECTION, DBMS\_LIE\_IN

where DBMS\_FACILITY.facility\_id = DBMS\_LIE\_IN.facility\_id and

DBMS\_LIE\_IN.record\_id = DBMS\_INSPECTION.record\_id and

dbms\_facility.facility\_zip = '91355' and score > 80 and score <= 85) union

(select '85~90',count (\*) from DBMS\_FACILITY, DBMS\_INSPECTION, DBMS\_LIE\_IN

where DBMS\_FACILITY.facility\_id = DBMS\_LIE\_IN.facility\_id and

DBMS\_LIE\_IN.record\_id = DBMS\_INSPECTION.record\_id and

dbms\_facility.facility\_zip = '91355' and score > 85 and score <= 90) union

(select '90~95', count (\*) from DBMS\_FACILITY, DBMS\_INSPECTION, DBMS\_LIE\_IN

where DBMS\_FACILITY.facility\_id = DBMS\_LIE\_IN.facility\_id and

DBMS\_LIE\_IN.record\_id = DBMS\_INSPECTION.record\_id and

dbms\_facility.facility\_zip = '91355' and score > 90 and score <= 95

) union

(select '95~100', count (\*) from DBMS\_FACILITY, DBMS\_INSPECTION, DBMS\_LIE\_IN

where DBMS\_FACILITY.facility\_id = DBMS\_LIE\_IN.facility\_id and

DBMS\_LIE\_IN.record\_id = DBMS\_INSPECTION.record\_id and

dbms\_facility.facility\_zip = '91355' and score > 95 and score <= 100)

Q3 Calculate the average score for all “Panda Express” in each region?

select zip, avg(score) from DBMS\_PROGRAM, DBMS\_REGION, DBMS\_INSPECTION, DBMS\_LIE\_IN, DBMS\_FACILITY

where program\_name LIKE 'PANDA EXPRESS%' and DBMS\_PROGRAM.RECORD\_ID = DBMS\_LIE\_IN.RECORD\_ID and DBMS\_LIE\_IN.FACILITY\_ID = DBMS\_FACILITY.FACILITY\_ID and

DBMS\_FACILITY.FACILITY\_ZIP = DBMS\_REGION.ZIP and

DBMS\_INSPECTION.RECORD\_ID = DBMS\_PROGRAM.RECORD\_ID

group by zip;

Q1

List all the inspection scores of “Panda Express”.

select score from DBMS\_INSPECTION natural join DBMS\_PROGRAM where program\_name LIKE 'PANDA EXPRESS%' and rownum < 10

Q4 Which restaurants or food vendors in the region with zip code = 90011 have the highest inspection score?

select program\_name, score from DBMS\_PROGRAM, DBMS\_FACILITY, DBMS\_INSPECTION, DBMS\_REGION, DBMS\_LIE\_IN

where DBMS\_FACILITY.FACILITY\_ZIP = DBMS\_REGION.ZIP AND DBMS\_REGION.ZIP = '90011' and DBMS\_PROGRAM.RECORD\_ID = DBMS\_LIE\_IN.RECORD\_ID and DBMS\_LIE\_IN.FACILITY\_ID = DBMS\_FACILITY.FACILITY\_ID and

DBMS\_INSPECTION.RECORD\_ID = DBMS\_PROGRAM.RECORD\_ID and

score >= all (

select score from DBMS\_PROGRAM DBMS\_PROGRAM, DBMS\_FACILITY, DBMS\_INSPECTION, DBMS\_REGION, DBMS\_LIE\_IN

where DBMS\_FACILITY.FACILITY\_ZIP = DBMS\_REGION.ZIP AND DBMS\_REGION.ZIP = '90011' and DBMS\_PROGRAM.RECORD\_ID = DBMS\_LIE\_IN.RECORD\_ID and DBMS\_LIE\_IN.FACILITY\_ID = DBMS\_FACILITY.FACILITY\_ID and

DBMS\_INSPECTION.RECORD\_ID = DBMS\_PROGRAM.RECORD\_ID);

TOP 10 Restaurants

Q6 List top 10 restaurants or food vendors has the highest inspection score in the region with zip code = 90011.

select program\_name, score from DBMS\_PROGRAM, DBMS\_REGION, DBMS\_INSPECTION, DBMS\_LIE\_IN, DBMS\_FACILITY

where DBMS\_PROGRAM.RECORD\_ID = DBMS\_LIE\_IN.RECORD\_ID and DBMS\_LIE\_IN.FACILITY\_ID = DBMS\_FACILITY.FACILITY\_ID and

DBMS\_FACILITY.FACILITY\_ZIP = DBMS\_REGION.ZIP AND

DBMS\_REGION.ZIP = '90011' and

DBMS\_INSPECTION.RECORD\_ID = DBMS\_PROGRAM.RECORD\_ID

AND rownum <= 10

order by score desc;