**答案1、用户金额表 USER\_AMOUNT 结构如下， 用两种方法取金额较少的第3到第10位用户**

**方法1：**

SELECT \*

FROM (SELECT A.\*, ROWNUM RNO

FROM (SELECT \* FROM USER\_AMOUNT ORDER BY AMOUNT) A) T

WHERE RNO BETWEEN 3 AND 5

;

**方法2：**

SELECT \* FROM

(

SELECT A.\*

,ROW\_NUMBER() OVER(PARTITION BY 1 ORDER BY AMOUNT )RNO

FROM USER\_AMOUNT A

)T

WHERE T.RNO BETWEEN 3 AND 5

;

验证：Create Table USER\_AMOUNT

(

USERID VARCHAR2(5), --用户编号

AMOUNT NUMBER(18,2) --金额

);

INSERT INTO USER\_AMOUNT

SELECT 10006,170 FROM DUAL UNION ALL

SELECT 10008,220 FROM DUAL UNION ALL

SELECT 10002,70 FROM DUAL UNION ALL

SELECT 10003,95 FROM DUAL UNION ALL

SELECT 10004,120 FROM DUAL UNION ALL

SELECT 10005,145 FROM DUAL UNION ALL

SELECT 10001,45 FROM DUAL UNION ALL

SELECT 10007,195 FROM DUAL UNION ALL

SELECT 10000,20 FROM DUAL UNION ALL

SELECT 10009,245 FROM DUAL

;

**答案2：**

SELECT

A.USER\_ID 用户ID

,D.AREA\_NAME 所在省

,C.AREA\_NAME 所在市

,B.AREA\_NAME 所在区

FROM USER\_DATA A

LEFT JOIN AREA\_INFO B

ON A.AREA\_ID = B.AREA\_ID

LEFT JOIN AREA\_INFO C

ON B.PARENT\_AREA\_ID = C.AREA\_ID

LEFT JOIN AREA\_INFO D

ON C.PARENT\_AREA\_ID = D.AREA\_ID

;

**答案3：**

SELECT \* FROM USER\_DATA A

WHERE A.AREA\_ID NOT IN (

SELECT AREA\_ID

FROM AREA\_INFO

WHERE PARENT\_AREA\_ID IN ('110','120')

);

**答案4：**

SELECT T3.area\_name 城市

,T1.AREA\_NAME 行政区

,SUM(T2.USER\_CNT) 人口数

FROM YZ\_AREA\_INFO T1

INNER JOIN (

SELECT A.AREA\_ID

,COUNT(A.USER\_ID) USER\_CNT

FROM USER\_DATA A

GROUP BY A.AREA\_ID

)T2

ON T1.AREA\_ID = T2.AREA\_ID

left join yz\_area\_info t3

on t1.parent\_area\_id=t3.area\_id

GROUP BY T3.area\_name,T1.AREA\_NAME

;

验证：

create table user\_data --用户表

(

user\_id varchar2(2) --用户编码

,area\_id varchar2(4) --地域编码（主键）

);

insert into user\_data

select '01','1101' from dual union all

select '02','1101' from dual union all

select '03','1102' from dual union all

select '04','1102' from dual union all

select '01','1201' from dual union all

select '02','1202' from dual union all

select '03','1202' from dual union all

select '04','1202' from dual union all

select '05','1203' from dual union all

select '06','1204' from dual

;

create table yz\_area\_info --—地域表

(

area\_id varchar2(4)

,area\_name varchar2(10)

,parent\_area\_id varchar2(4)

);

insert into yz\_area\_info

select '0001','湖南','' from dual union all

select '110','长沙','0001' from dual union all

select '120','株洲','0001' from dual union all

select '1101','芙蓉区','110' from dual union all

select '1102','天心区','110' from dual union all

select '1201','田心区','120' from dual union all

select '1202','芦淞区','120' from dual UNION ALL

select '1203','芦淞区','120' from dual UNION ALL

select '1204','芦淞区','120' from dual ;

# 二、不定向选择

1. AD
2. B
3. CD
4. AD
5. ABCD
6. ABCE
7. C
8. B
9. C
10. C