#2022\_3\_27

INSERT DELETE UPDATE SELECT

1.USE dbtext2;

SELECT \*

FROM emp;

INSERT INTO emp

VALUE (1002,'Tom');

INSERT INTO emp

VALUE (1003,'Jerry');

SELECT \*

FROM emp;

USE dbtext2;

SELECT \*FROM emp;

SHOW CREATE TABLE emp;

SHOW DATABASES;

SOURCE d:\atguigudb.sql;

SHOW DATABASES;

USE atguigudb;

SELECT \*

FROM employees;

2.SELECT 1

#select 1+1;

#select 1+1,3\*2;

FROM DUAL;

3.SELECT employee\_id,last\_name,salary

FROM employees;

4.SELECT employee\_id emp\_id,last\_name AS lname,department\_id dept\_id

FROM employees;

5.SELECT DISTINCT department\_id

FROM employees;

6.SELECT DISTINCT department\_id,salary

FROM employees;

7.SELECT \*

FROM employees;

8.SELECT employee\_id,salary"月资",salary \*(1+commission\_pct)\*12

FROM employees;

1. SELECT \* FROM employees;

10.DESCRIBE employees;

DESC employees;

DESC departments;

10.SELECT \*

FROM employees

WHERE department\_id='90';

11.SELECT \*

FROM employees

WHERE last\_name='King';

12.SELECT last\_name,employee\_id,salary \*12 annual salary

FROM employees;

13.SELECT last\_name,employee\_id,salary 12\*(1+LENGTH(commmission,0)) 'annual salary'

FROM employees;

14.SELECT DISTINCT job\_id

FROM employees;

15.SELECT last\_name ,salary

FROM employees;

16.SELECT department\_id,last\_name

FROM employees

WHERE employee\_id='176';

17.DESCRIBE departments;

SELECT \* FROM departments;

18.SELECT 100,100+0,100-0,100+50,100+50-30,100-35.5,100+35.5

FROM DUAL;

19.SELECT 100+'1'

FROM DUAL;#101

20.SELECT 100+'#'

FROM DUAL;#100

21.SELECT 100+NULL

FROM DUAL;#null

22.SELECT 100,100\*1,100\*1.0,100/1.0,100/2,100+2\*5/2,100/3,100 DIV 0

FROM DUAL;#100 100 100.0 100.0000 50.0000 105.0000 33.3333 #(NULL)

23.SELECT 12%3,12%5,12 DIV -5,-12%5,-12%-5

FROM DUAL;# 0 2 -2 -2 -2

24.SELECT employee\_id,salary,last\_name

FROM employees

WHERE emplotyee\_id%2=0;

25.SELECT 1=2,1!=2,1='1',1='a'

FROM DUAL;

# 0 1 1 0

26.SELECT 1=NULL,NULL=NULL

FROM DUAL;

#(NULL) (NULL)

27.SELECT last\_name,salary,commission\_pct

FROM employees

WHERE salary =6000;

#where commission\_pct=null;

28.SELECT 1<=>2,1<=>'1',1<=>'a',0<=>'a'

FROM DUAL;

# 0 1 0 1

29.SELECT 1<=>NULL,NULL<=>NULL

FROM DUAL;

# 0 1

30.SELECT last\_name,commission-pct,salary

FROM employees

WHERE commission-pct=NULL;

31.SELECT 3<>2,'4'<>NULL,''!=NULL

FROM DUAL;

#1 (NULL) (NULL)

1. IS NULL IS NOT NULL ISNULL(commission-pct(+))

33.SELECT LEAST('g','b','t','m'),GREATEST('g','b','t','m')

FROM DUAL;

#b t

34.SELECT LEAST(first\_name,last\_name),LEAST(LENGTH(first\_name),LENGTH(last\_name)),

FROM DUAL;

35.SELECT employee\_id,last\_name,salary

FROM employees

WHERE salary BETWEEN 6000 AND 8000

#where salary <6000 or salary >8000

#where salary not between 6000 and 8000

36.SELECT department\_id,last\_name,salary

FROM employees

WHERE department\_id=10 OR 20 OR 30;

#where department\_id=10 or department\_id=20 or department\_id=30;

#where department\_id in (10,20,30);

37.SELECT department\_id ,salary,last\_name

FROM employees

WHERE department\_id NOT IN (6000,7000,9000);

38.SELECT last\_name

FROM employees

WHERE last\_name LIKE '%a%';

39.1#SELECT last\_name

SELECT last\_name

FROM employees

WHERE last\_name LIKE 'a%' AND last\_name LIKE '%e%';

2#SELECT last\_name

FROM employees

WHERE last\_name LIKE '\_a%';

40.SELECT last\_name

FROM employees

WHERE last\_name LIKE '%a%e%' OR last\_name LIKE '%e%a%';

41.SELECT last\_name

FROM employees

WHERE last\_name LIKE '\_\\_a%';

42.SELECT 'shkstart' REGEXP '^s' ,'shksatrt' REGEXP 't$','shkstart' REGEXP'hk'

FROM DUAL;

# 1 1 1

43.SELECT 'atguigu'REGEXP 'guigu','atguigu'REGEXP'[ab]'

FROM DUAL;

# 1 1

44.SELECT last\_name ,salary,department\_id

FROM employees

WHERE department\_id=10 OR department\_id=20;

#where department\_id=50 and salary>6000;

45.SELECT last\_name,department\_id,salary

FROM employees

WHERE salatry BETWEEN 6000 AND 8000;

#where commission\_pct is not null;

#where is not commission\_pct;

46.SELECT last\_name,salary,depatrtment\_id

FROM employees

WHERE department\_id=50 OR salary>6000;

47.SELECT 10&~1 FROM DUAL;

# 10

48.SELECT 4<<1,8>>1

FROM DUAL;

# 8 4

49.SELECT salary,last\_name

FROM employees

WHERE salary NOT BETWEEN 6000 AND 12000;

50.SELECT department\_id,last\_name

FROM employees

WHERE department\_id IN (20,50);

WHERE department\_id=20 OR department\_id=50;

SELECT last\_name,job\_id

FROM employees

WHERE manager\_id IS NULL;

51.SELECT last\_name,salary,commission\_pct

FROM employees

WHERE commission\_pct IS NOT NULL;;

52.SELECT last\_name

FROM employees

WHERE last\_name LIKE'%k%a%' OR last\_name LIKE '%a%k%';

#where last\_name like '%k%' and last\_name like '%a%';

53.SELECT first\_name ,last\_name

FROM employees

WHERE first\_name LIKE '%e';

SELECT first\_name,last\_name

FROM employees

WHERE first\_name REGEXP 'e$';

54.SELECT last\_name,job\_id

FROM employees

#where department\_id in (80,90,100);#不建议用

#where department\_id>=80 and department\_id <=100;

WHERE department\_id BETWEEN 80 AND 100;

55.SELECT last\_name,manager\_id,salary

FROM employees

WHERE manager\_id IN (100,101,102);

56.SELECT emploee\_id ,last\_name,salary

FROM employees

ORDER BY salary DESC;

#order by salary asc ;

57.SELECT employee\_id,salary,salary \*12 'annual sal'

FROM employees

ORDER BY annual sal;

58.SELECT employee\_id,salary

FROM employees

WHERE department\_id IN (50,60,70)

ORDER BY department\_id DESC;

59.SELECT employee\_id,salary,department\_id

FROM employees

ORDER BY department\_id DESC,salary ASC;

60.SELECT employee\_id ,salary,last\_name

FROM employees

LIMIT 20,20;

61.SELECT employee\_id,last\_name

FROM employees

#LIMIT 40,20;

LIMIT ((pageno-1)\*pagesize,pagesize);

62.SELECT employee\_id,last\_name,salary

FROM employees

WHERE salary 6000;

ORDER BY salary DESC ;

Limit 0,10;

Limit 10;

63.SELECT employee\_id,salary,last\_name

FROM employees

LIMIT 2 OFFSET 31;

64.SELECT employee\_id ,salary, last\_name

FROM employees

ORDER BY salary DESC

Limit 0,1;

Select \*from employees;

65.SELECT employee\_id ,lase\_name

FROM employees

LIMIT 31,2;

66.SELECT rownum employee\_id,last\_name

FROM employees

WHERE rownum<=10 DESC employees;

67.SELECT last\_name ,department\_id,salary\*12 annual\_salary

FROM employees

ORDER BY annual\_salary DESC,last\_name ASC;

68.SELECT last\_name,salary

FROM employees

WHERE salary NOT BETWEEN 8000 AND 12000

ORDER BY salary DESC ,

LIMIT 20,20;

69.SELECT employee\_id,last\_name,emaiol,department\_id

FROM employees

WHERE email LIKE '%e%';

#WHERE email REGEXP '[e]';

ORDER BY LENGTH(email) DESC ,departmenty\_id ;

70.DESC departments;

DESC employees;

DESC location;

71.SELECT \* FROM employees

WHERE last\_name='Abed';

SELECT \* FROM departments

WHERE department\_id ='80';

SELECT \*FROM locations

WHERE location\_id=2500;

72.SELECT employee\_id ,department\_name

FROM employees ,departments;

SELECT \* FROM employees ;

SELECT 2889/107

FROM DUAL ;

SELECT \*

FROM departments;

SELECT e.employee\_id ,e.department\_id ;

FROM employees e ross JOIN departments d ;

73.SELECT emp.employee\_id,emp.department\_name ,emp.department\_id

FROM employees emp, departments emp

74.SELECT employee\_id,last\_name,department\_name ,city,department\_id,location\_id

FROM employees e,departrments d

WHERE e.`department\_id`=d.`department\_id`,locations l

WHERE d.`department\_id`=l.`department\_id`;

75.SELECT last\_name,department\_id,department\_name

FROM employees e,department d;

#SELECT \* FROM employees;

76.SELECT \* FROM iob\_grades;

SELECT e.last\_name ,j.salary ,j.grade\_level

FROM employees e ,job\_greades j

WHERE e.`salary` BETWEEN `lowest\_al` AND `highest\_al`;

#where e.`salary`>=j.`lowest\_al` and e.`salary`<=`highest\_al`;

#SELECT \* FROM employees;

77.SELECT e.employee\_id,e.last\_name,m.employee\_id,m.last\_name

FROM employees e,managers m

WHERE e.`manager\_id`=m.`employee\_id`

78.SELECT employee\_id ,department\_name

FROM employees e,departments d

WHERE e.`department\_id`=d.`department\_id`;

79.SELECT employee\_id,department\_name

FROM employees e,departments d

WHERE e.`departemnt\_id`=d.`dedpartment\_id`;

80.SELECT employee\_id,department\_name

FROM employees e ,departments d

WHERE e.`department\_id `=d.`department\_id`;

91.SELECT last\_name ,department\_name, city

FROM employees e JOIN department d ON e.`department\_id`=d.`department\_id`

JOIN locations l omn d.`location\_id`=l.`locatoon\_id`

92.SELECT last\_name ,department\_name

FROM employees s LEFT OUTER JOIN departments d ON e.`department\_id `=d.`department\_id`

93.SELECT employee\_id,department\_name,

FROM employees e JOIN departments d ON

e.`department\_id `=d.`department\_id`;#中图内连接

SELECT employee\_id,department\_name, #左上图

FROM employees e LEFT JOIN departments d ON

e.`department\_id `=d.`department\_id`;

SELECT employee\_id,department\_name, #右上图

FROM employees e RIGHT JOIN departments d ON

e.`department\_id `=d.`department\_id`;

SELECT employee\_id,department\_name, #左中图

FROM employees e LEFT JOIN departments d ON

e.`department\_id `=d.`department\_id`

WHERE d.`department\_id` IS NULL;

SELECT employee\_id,department\_name, #右中图

FROM employees e RIGHT JOIN departments d ON

e.`department\_id `=d.`department\_id`

WHERE e.`department\_id` IS NULL;

SELECT employee\_id,department\_name,

FROM employees e RIGHT JOIN departments d ON

e.`department\_id `=d.`department\_id`;

UNION ALL

SELECT employee\_id,department\_name,

FROM employees e RIGHT JOIN departments d ON

e.`department\_id `=d.`department\_id`

WHERE e.`department\_id` IS NULL;

SELECT employee\_id,department\_name, #左下图

FROM employees e LEFT JOIN departments d ON

e.`department\_id `=d.`department\_id`;

UNION ALL

SELECT employee\_id,department\_name,

FROM employees e RIGHT JOIN departments d ON

e.`department\_id `=d.`department\_id`

WHERE e.`department\_id` IS NULL;

SELECT employee\_id,department\_name, #中图

FROM employees e LEFT JOIN departments d ON

e.`department\_id `=d.`department\_id`

WHERE d.`department\_id` IS NULL;

UNION ALL

SELECT employee\_id,department\_name,

FROM employees e RIGHT JOIN departments d ON

e.`department\_id `=d.`department\_id`;

SELECT employee\_id,department\_name, #右下图

FROM employees e LEFT JOIN departments d ON

e.`department\_id `=d.`department\_id`

WHERE d.`department\_id` IS NULL;

UNION ALL

SELECT employee\_id,department\_name,

FROM employees e RIGHT JOIN departments d ON

e.`department\_id `=d.`department\_id`

WHERE e.`department\_id` IS NULL;

94.SELECT e.last\_name, e.department\_id,d.department\_name

FROM employees e LEFT OUTER JOIN departments d

ON e.`department\_id`=d.`department\_id`;

SELECT job\_id,location\_id,

FROM employees e JOIN departments d

ON e.`department\_id`=d.`department\_id`

WHERE d.`department\_id`='90';

#desc departments;

SELECT last\_name ,location\_id ,city , department\_name ,commission\_pct,

FROM employees e JOIN departments d ON

e.`department\_id`=d.`department\_id` JOIN locations l

ON d.`location\_id`=l.`locatio\_id`

WHERE commission\_pct IS NOT NULL;

SELECT \*

FROM employees e

WHERE commission\_pct IS NOT NULL;

SELECT last\_name ,departemnt\_id ,department\_name,job\_id

FROM employees e JOIN department d ON locations l

ON d.`location\_id`=l.`location\_id`

WHERE l.city='Tornto';

SELECT employyee ,last\_name ,department\_id,department\_name,

FROM employees e , departments d ,locatioons l

WHERE e.`department\_id`=d.`department\_id`

AND d.`location\_id`=l.`location\_id`,

WHERE l.city='Tornto';

SELECT department\_name,last\_name,job\_id,salary,street\_address,

FROM employees e JOIN departments d ON e.`department\_id `=d.`department\_id`

JOIN locations l ON d.`location\_id`=l.`locatinon\_id`,

WHERE d.`department\_id`='Executive';

SELECT emp.last\_name ,emp.employee\_id ,mag.last\_name,mag.employee\_id

FROM employees emp JOIN employees manager mag

ON emp.`manager\_id`=mag.`employees\_id`

SELECT department\_id,

FROM departments d LEFT JOIN employees e ON d.`department\_id`=e.`department\_id`

WHERE d.`department\_id` IS NULL;

SELECT location ,city ,

FROM locations l JOIN departments d ON l.`location\_id`=d.`location\_id`

WHERE l.`location\_id` IS NULL;

SELECT department\_id

FROM departments

WHERE department\_id IN (1100,1200,1300,1600);

SELECT e.employee\_id ,e.last\_name,d.department\_id

FROM employees e JOIN departments d ON e.`department\_id'=d.`department\_id`

where d.`department\_name` in ('sales','IT');