Welcome to the MariaDB monitor. Commands end with ; or \g.

Your MariaDB connection id is 5

Server version: 10.1.26-MariaDB mariadb.org binary distribution

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> use test;

Database changed

MariaDB [test]> show tables;

+---------------------+

| Tables\_in\_test |

+---------------------+

| customer |

| office |

| orderlist |

| orders |

| product |

| salesrepresentative |

| title |

+---------------------+

7 rows in set (0.00 sec)

MariaDB [test]> create table AC\_MAST( ac\_type VARCHAR(3), ac\_no INTEGER(4), cust\_no INTEGER(5), bal DECIMAL(10,2), od\_limit DECIMAL(10,2), CONSTRAINT primary key ( ac\_type , ac\_no));

Query OK, 0 rows affected (0.48 sec)

MariaDB [test]> insert into AC\_MAST values('savings',2983,34551,10000,1000);

Query OK, 1 row affected, 1 warning (0.13 sec)

MariaDB [test]> insert into AC\_MAST values('current',2984,34552,00,100);

Query OK, 1 row affected, 1 warning (0.12 sec)

MariaDB [test]> insert into AC\_MAST values('Money Market',2985,200,10000,999);

Query OK, 1 row affected, 1 warning (0.20 sec)

MariaDB [test]> insert into AC\_MAST values('Transactional',2986,34554,3200,10);

Query OK, 1 row affected, 1 warning (0.24 sec)

MariaDB [test]> insert into AC\_MAST values('chequing',2987,34555,295,500);

Query OK, 1 row affected, 1 warning (0.24 sec)

MariaDB [test]> insert into AC\_MAST values('CD',2988,34556,1100,1000.7);

Query OK, 1 row affected (0.23 sec)

MariaDB [test]> insert into AC\_MAST values('savings',2989,34557,4500,800);

Query OK, 1 row affected, 1 warning (0.07 sec)

MariaDB [test]> insert into AC\_MAST values('deposit',2990,34558,770,2000);

Query OK, 1 row affected, 1 warning (0.06 sec)

MariaDB [test]> insert into AC\_MAST values('Money Market',2991,34559,1900,1500);

Query OK, 1 row affected, 1 warning (0.09 sec)

MariaDB [test]> insert into AC\_MAST values('IRA',2992,34560,3300,2500);

Query OK, 1 row affected (0.18 sec)

MariaDB [test]> select \* from ac\_mast;

+---------+-------+---------+----------+----------+

| ac\_type | ac\_no | cust\_no | bal | od\_limit |

+---------+-------+---------+----------+----------+

| CD | 2988 | 34556 | 1100.00 | 1000.70 |

| che | 2987 | 34555 | 295.00 | 500.00 |

| cur | 2984 | 34552 | 0.00 | 100.00 |

| dep | 2990 | 34558 | 770.00 | 2000.00 |

| IRA | 2992 | 34560 | 3300.00 | 2500.00 |

| Mon | 2985 | 200 | 10000.00 | 999.00 |

| Mon | 2991 | 34559 | 1900.00 | 1500.00 |

| sav | 2983 | 34551 | 10000.00 | 1000.00 |

| sav | 2989 | 34557 | 4500.00 | 800.00 |

| Tra | 2986 | 34554 | 3200.00 | 10.00 |

+---------+-------+---------+----------+----------+

10 rows in set (0.00 sec)

MariaDB [test]> create table CUST\_MAST(cust\_no INTEGER(5) Primary Key, name VARCHAR(50), addr1 VARCHAR(50), addr2 VARCHAR(50), addr3 VARCHAR(50), city VARCHAR(30), state VARCHAR(20));

Query OK, 0 rows affected (0.77 sec)

MariaDB [test]>

MariaDB [test]> insert into cust\_mast values(34551,'steven','23 hollybush st','29 patric ave','100 smith rd',' the pas','MT');

Query OK, 1 row affected (0.08 sec)

MariaDB [test]> insert into cust\_mast values(34552,'james','177 hillcrest ave','22 twain ave','52 raylawson rd','brampton','ON');

Query OK, 1 row affected (0.20 sec)

MariaDB [test]> insert into cust\_mast values(34553,'stark','169 timberlane dr','1772 dixie rd','11 mcknight blvd','calgary','AB');

Query OK, 1 row affected (0.12 sec)

MariaDB [test]> insert into cust\_mast values(34554,'banner','23 roselini dr','99 mazda rd','65 barlow trail','toronto','ON');

Query OK, 1 row affected (0.12 sec)

MariaDB [test]> insert into cust\_mast values(34555,'harry','44 queen st',' 43 skreeper dr',' 886 elizabeth st','orange ville','ON');

Query OK, 1 row affected (0.14 sec)

MariaDB [test]> insert into cust\_mast values(34556,'tony','77 railway road ','5586 pembina','32 11th ave','edminton','AB');

Query OK, 1 row affected (0.09 sec)

MariaDB [test]> insert into cust\_mast values(34557,'loggi','045 zira road','884 river st','33 ragnorock rd','prince alberta','SK');

Query OK, 1 row affected (0.09 sec)

MariaDB [test]> insert into cust\_mast values(34558,'ben','275 botian wala','98 colebrook','22 landner trunk','surry','BC');

Query OK, 1 row affected (0.09 sec)

MariaDB [test]> insert into cust\_mast values(34559,'ledger ','47 crential rd','84 mccallum rd','45 hillcerst','abbotsford','BC');

Query OK, 1 row affected (0.08 sec)

MariaDB [test]> insert into cust\_mast values(34560,'bane','65 khalsa dr','17 station rd','66 churchill rd','thompson','MB');

Query OK, 1 row affected (0.18 sec)

MariaDB [test]> select \* from cust\_mast;

+---------+---------+-------------------+-----------------+-------------------+----------------+-------+

| cust\_no | name | addr1 | addr2 | addr3 | city | state |

+---------+---------+-------------------+-----------------+-------------------+----------------+-------+

| 34551 | steven | 23 hollybush st | 29 patric ave | 100 smith rd | the pas | MT |

| 34552 | james | 177 hillcrest ave | 22 twain ave | 52 raylawson rd | brampton | ON |

| 34553 | stark | 169 timberlane dr | 1772 dixie rd | 11 mcknight blvd | calgary | AB |

| 34554 | banner | 23 roselini dr | 99 mazda rd | 65 barlow trail | toronto | ON |

| 34555 | harry | 44 queen st | 43 skreeper dr | 886 elizabeth st | orange ville | ON |

| 34556 | tony | 77 railway road | 5586 pembina | 32 11th ave | edminton | AB |

| 34557 | loggi | 045 zira road | 884 river st | 33 ragnorock rd | prince alberta | SK |

| 34558 | ben | 275 botian wala | 98 colebrook | 22 landner trunk | surry | BC |

| 34559 | ledger | 47 crential rd | 84 mccallum rd | 45 hillcerst | abbotsford | BC |

| 34560 | bane | 65 khalsa dr | 17 station rd | 66 churchill rd | thompson | MB |

+---------+---------+-------------------+-----------------+-------------------+----------------+-------+

10 rows in set (0.00 sec)

MariaDB [test]> create table TRANS(ac\_type VARCHAR(3), ac\_no INTEGER(4), tdate DATE, counter INTEGER(2), amount DECIMAL(10,2), despt VARCHAR(30), constraint primary key ( ac\_type, ac\_no, tdate ));

Query OK, 0 rows affected (1.34 sec)

MariaDB [test]>

MariaDB [test]>

MariaDB [test]> insert into trans values('savings',2983, ‘2015/10/12’,2,2540.50,’trans01’);

Query OK, 1 row affected, 1 warning (0.07 sec)

MariaDB [test]> insert into trans values('current',2984, ‘2013/02/15’,4,4040.40,’trans03’);

Query OK, 1 row affected, 1 warning (0.10 sec)

MariaDB [test]> insert into trans values('Money Market',2985, ‘2017/05/03’,2,2434.53,’trans04’);

Query OK, 1 row affected, 1 warning (0.28 sec)

MariaDB [test]> insert into trans values('Transactional',2986, ‘2013/09/03’,5,3498.60,’trans07’);

Query OK, 1 row affected, 1 warning (0.08 sec)

MariaDB [test]> insert into trans values('chequing',2987, ‘2012/04/28’,1,4567.80,’trans11’);

Query OK, 1 row affected, 1 warning (0.04 sec)

MariaDB [test]> insert into trans values('CD',2988,‘2015/01/30’,3,5005.45, ‘trans05’);

Query OK, 1 row affected (0.04 sec)

MariaDB [test]> insert into trans values('savings',2989, ‘2010/12/06’,2,2098.60, ‘trans06’);

Query OK, 1 row affected, 1 warning (0.03 sec)

MariaDB [test]> insert into trans values('deposit',2990, ‘2016/08/04’,1,4558.70, ‘trans15’);

Query OK, 1 row affected, 1 warning (0.03 sec)

MariaDB [test]> insert into trans values('Money Market',2991, ‘2007/09/21’,2,3355.77, ‘trans18’);

Query OK, 1 row affected, 1 warning (0.03 sec)

MariaDB [test]> insert into trans values('IRA',2992, ‘2009/09/09’,4,4560.20, ‘trans13’);

Query OK, 1 row affected (0.03 sec)

MariaDB [test]>

MariaDB [test]> select \* from trans;

+---------+-------+------------+---------+---------+---------+

| ac\_type | ac\_no | tdate | counter | amount | despt |

+---------+-------+------------+---------+---------+---------+

| CD | 2988 | 2015-01-30 | 3 | 5005.45 | trans05 |

| che | 2987 | 2012-04-28 | 1 | 4567.80 | trans11 |

| cur | 2984 | 2013-02-15 | 4 | 4040.40 | trans03 |

| dep | 2990 | 2016-08-04 | 1 | 4558.70 | trans15 |

| IRA | 2992 | 2009-09-09 | 4 | 4560.20 | trans13 |

| Mon | 2985 | 2017-05-03 | 2 | 2434.53 | trans04 |

| Mon | 2991 | 2007-09-21 | 2 | 3355.77 | trans18 |

| sav | 2983 | 2015-10-12 | 2 | 2540.50 | trans01 |

| sav | 2989 | 2010-12-06 | 2 | 2098.60 | trans06 |

| Tra | 2986 | 2013-09-03 | 5 | 3498.60 | trans07 |

+---------+-------+------------+---------+---------+---------+

10 rows in set (0.00 sec)

MariaDB [test]> create table DEPT(dno INTEGER(3) Primary Key, name VARCHAR(15), loc VARCHAR(20));

Query OK, 0 rows affected (0.50 sec)

MariaDB [test]> insert into dept values(10,’ Administration ‘,’Building 1’);

Query OK, 1 row affected, 1 warning (0.07 sec)

MariaDB [test]> insert into dept values( 20,’ Marketing’, ’Building 2’);

Query OK, 1 row affected (0.06 sec)

MariaDB [test]> insert into dept values( 30,’Purchasing’, ‘Building 3’);

Query OK, 1 row affected (0.12 sec)

MariaDB [test]> insert into dept values( 40,’Human Resources’, ’Building 1’);

Query OK, 1 row affected (0.06 sec)

MariaDB [test]> insert into dept values( 50,’ Shipping’, ’Building 3’);

Query OK, 1 row affected (0.03 sec)

MariaDB [test]> insert into dept values( 60,’IT’, ’Building 1’);

Query OK, 1 row affected (0.16 sec)

MariaDB [test]> insert into dept values( 70,’Public Relations’, ’Building 2’);

Query OK, 1 row affected, 1 warning (0.03 sec)

MariaDB [test]> insert into dept values( 80,’ Sales’, ’Building 4’ );

Query OK, 1 row affected (0.07 sec)

MariaDB [test]> insert into dept values( 90,’Executive’, ’Building 4’);

Query OK, 1 row affected (0.12 sec)

MariaDB [test]> insert into dept values( 100,’ Finance’, ’Building 1’);

Query OK, 1 row affected (0.03 sec)

MariaDB [test]> insert into dept values( 110,’Accounting’, ’Building 2’);

Query OK, 1 row affected (0.03 sec)

MariaDB [test]> select \* from trans;

+---------+-------+------------+---------+---------+---------+

| ac\_type | ac\_no | tdate | counter | amount | despt |

+---------+-------+------------+---------+---------+---------+

| CD | 2988 | 2015-01-30 | 3 | 5005.45 | trans05 |

| che | 2987 | 2012-04-28 | 1 | 4567.80 | trans11 |

| cur | 2984 | 2013-02-15 | 4 | 4040.40 | trans03 |

| dep | 2990 | 2016-08-04 | 1 | 4558.70 | trans15 |

| IRA | 2992 | 2009-09-09 | 4 | 4560.20 | trans13 |

| Mon | 2985 | 2017-05-03 | 2 | 2434.53 | trans04 |

| Mon | 2991 | 2007-09-21 | 2 | 3355.77 | trans18 |

| sav | 2983 | 2015-10-12 | 2 | 2540.50 | trans01 |

| sav | 2989 | 2010-12-06 | 2 | 2098.60 | trans06 |

| Tra | 2986 | 2013-09-03 | 5 | 3498.60 | trans07 |

+---------+-------+------------+---------+---------+---------+

10 rows in set (0.00 sec)

MariaDB [test]> select \* from dept;

+-----+-----------------+------------+

| dno | name | loc |

+-----+-----------------+------------+

| 10 | Administration | Building 1 |

| 20 | Marketing | Building 2 |

| 30 | Purchasing | Building 3 |

| 40 | Human Resources | Building 1 |

| 50 | Shipping | Building 3 |

| 60 | IT | Building 1 |

| 70 | Public Relation | Building 2 |

| 80 | Sales | Building 4 |

| 90 | Executive | Building 4 |

| 100 | Finance | Building 1 |

| 110 | Accounting | Building 2 |

+-----+-----------------+------------+

11 rows in set (0.00 sec)

MariaDB [test]>

MariaDB [test]> CREATE TABLE EMP(emp\_no INTEGER(5)Primary Key, emp\_name VARCHAR(50), jdate DATE, dept INTEGER(3), desig VARCHAR(20), basic DECIMAL(10,2), da DECIMAL(10,2), hra DECIMAL(10,2), pf DECIMAL(10,2), it DECIMAL(10,2));

Query OK, 0 rows affected (0.30 sec)

MariaDB [test]> insert into EMP VALUES (101, ’Jacob’, ‘2010/10/12’, 10, ’manager’, 15000.20, 5000.50, 20000.00, 6000.00, 3000.00);

Query OK, 1 row affected (0.17 sec)

MariaDB [test]> insert into EMP VALUES (102,’john’,’2012/12/20’, 20, ’manager’, 13000.40, 3000.50, 10000.00, 4000.00, 2000.00);

Query OK, 1 row affected (0.03 sec)

MariaDB [test]> insert into EMP VALUES (103, ’angel’, ‘2011/12/11’, 30, ’administrator’, 10000.40, 1000.50, 8000.00, 2000.00, 1000.00);

Query OK, 1 row affected (0.06 sec)

MariaDB [test]> insert into EMP VALUES (104, ’Mack’, ‘2010/01/07’, 40, ’financer’, 5000.40, 800.0, 5000.00, 1000.00, 700.00);

Query OK, 1 row affected (0.06 sec)

MariaDB [test]> insert into EMP VALUES (105, ’Alice’, ‘2015/04/27’, 50, ’cashier’, 4000.40, 700.0, 4000.00, 1000.00, 500.00);

Query OK, 1 row affected (0.03 sec)

MariaDB [test]> Insert into EMP values (106, ’jigisha’, ‘2013/10/13’, 60, ’MKTG’, 10000.34, 6000.54, 25000.76, 5000.87, 2200.76);

Query OK, 1 row affected (0.04 sec)

MariaDB [test]> Insert into EMP values (107, ’robin’, ‘2013/09/18’, 70, ’employee’, 15000.74, 5500.34, 21000.76, 4000.82, 1200.44);

Query OK, 1 row affected (0.03 sec)

MariaDB [test]> Insert into EMP values (108, ’sharmin’, ‘2012/05/11’, 80, ’receptionsit’, 12000.22, 45000.54, 23000.55, 3000.20, 3300.77);

Query OK, 1 row affected (0.03 sec)

MariaDB [test]> Insert into EMP values (109, ’sami’, ‘2007/12/09’, 90, ’it department’, 11000.39, 5000.19, 3000.76, 5500.87, 1200.76);

Query OK, 1 row affected (0.03 sec)

MariaDB [test]> Insert into EMP values (110, ’ali’, ‘2009/02/15’, 100, ’marketig manager’, 20000.34, 6500.54, 25000.76, 7000.87, 4200.76);

Query OK, 1 row affected (0.04 sec)

MariaDB [test]> select \* from emp;

+--------+----------+------------+------+------------------+----------+----------+----------+---------+---------+

| emp\_no | emp\_name | jdate | dept | desig | basic | da | hra | pf | it |

+--------+----------+------------+------+------------------+----------+----------+----------+---------+---------+

| 101 | Jacob | 2010-10-12 | 10 | manager | 15000.20 | 5000.50 | 20000.00 | 6000.00 | 3000.00 |

| 102 | john | 2012-12-20 | 20 | manager | 13000.40 | 3000.50 | 10000.00 | 4000.00 | 2000.00 |

| 103 | angel | 2011-12-11 | 30 | administrator | 10000.40 | 1000.50 | 8000.00 | 2000.00 | 1000.00 |

| 104 | Mack | 2010-01-07 | 40 | financer | 5000.40 | 800.00 | 5000.00 | 1000.00 | 700.00 |

| 105 | Alice | 2015-04-27 | 50 | cashier | 4000.40 | 700.00 | 4000.00 | 1000.00 | 500.00 |

| 106 | jigisha | 2013-10-13 | 60 | MKTG | 10000.34 | 6000.54 | 25000.76 | 5000.87 | 2200.76 |

| 107 | robin | 2013-09-18 | 70 | employee | 15000.74 | 5500.34 | 21000.76 | 4000.82 | 1200.44 |

| 108 | sharmin | 2012-05-11 | 80 | receptionsit | 12000.22 | 45000.54 | 23000.55 | 3000.20 | 3300.77 |

| 109 | sami | 2007-12-09 | 90 | it department | 11000.39 | 5000.19 | 3000.76 | 5500.87 | 1200.76 |

| 110 | ali | 2009-02-15 | 100 | marketig manager | 20000.34 | 6500.54 | 25000.76 | 7000.87 | 4200.76 |

+--------+----------+------------+------+------------------+----------+----------+----------+---------+---------+

10 rows in set (0.00 sec)

MariaDB [test]>

Select emp\_no, emp\_name, dept, desig, basic from emp;

+--------+----------+------+------------------+----------+

| emp\_no | emp\_name | dept | desig | basic |

+--------+----------+------+------------------+----------+

| 101 | Jacob | 10 | manager | 15000.20 |

| 102 | john | 20 | manager | 13000.40 |

| 103 | angel | 30 | administrator | 10000.40 |

| 104 | Mack | 40 | financer | 5000.40 |

| 105 | Alice | 50 | cashier | 4000.40 |

| 106 | jigisha | 60 | MKTG | 10000.34 |

| 107 | robin | 70 | employee | 15000.74 |

| 108 | sharmin | 80 | receptionsit | 12000.22 |

| 109 | sami | 90 | it department | 11000.39 |

| 110 | ali | 100 | marketig manager | 20000.34 |

+--------+----------+------+------------------+----------+

10 rows in set (0.00 sec)

MariaDB [test]> Write a SELECT statement to display employee number, name, department number, designation, salary(basic+da+hra-pf-it) for all employees.

-> -select emp\_no, emp\_name, dept, desig, basic+da+hra-pf-it as "salary" from emp;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'Write a SELECT statement to display employee number, name, department number, de' at line 1

MariaDB [test]> select emp\_no, emp\_name, dept, desig, basic+da+hra-pf-it as "salary" from emp;

+--------+----------+------+------------------+----------+

| emp\_no | emp\_name | dept | desig | salary |

+--------+----------+------+------------------+----------+

| 101 | Jacob | 10 | manager | 31000.70 |

| 102 | john | 20 | manager | 20000.90 |

| 103 | angel | 30 | administrator | 16000.90 |

| 104 | Mack | 40 | financer | 9100.40 |

| 105 | Alice | 50 | cashier | 7200.40 |

| 106 | jigisha | 60 | MKTG | 33800.01 |

| 107 | robin | 70 | employee | 36300.58 |

| 108 | sharmin | 80 | receptionsit | 73700.34 |

| 109 | sami | 90 | it department | 12299.71 |

| 110 | ali | 100 | marketig manager | 40300.01 |

+--------+----------+------+------------------+----------+

10 rows in set (0.04 sec)

MariaDB [test]> select emp\_no, emp\_name, dept, desig, basic+da+hra-pf-it as "salary" from emp order by emp\_no;

+--------+----------+------+------------------+----------+

| emp\_no | emp\_name | dept | desig | salary |

+--------+----------+------+------------------+----------+

| 101 | Jacob | 10 | manager | 31000.70 |

| 102 | john | 20 | manager | 20000.90 |

| 103 | angel | 30 | administrator | 16000.90 |

| 104 | Mack | 40 | financer | 9100.40 |

| 105 | Alice | 50 | cashier | 7200.40 |

| 106 | jigisha | 60 | MKTG | 33800.01 |

| 107 | robin | 70 | employee | 36300.58 |

| 108 | sharmin | 80 | receptionsit | 73700.34 |

| 109 | sami | 90 | it department | 12299.71 |

| 110 | ali | 100 | marketig manager | 40300.01 |

+--------+----------+------+------------------+----------+

10 rows in set (0.03 sec)

MariaDB [test]> select emp\_no, emp\_name, dept, desig, basic+da+hra-pf-it as "salary" from emp order by emp\_no, dept;

+--------+----------+------+------------------+----------+

| emp\_no | emp\_name | dept | desig | salary |

+--------+----------+------+------------------+----------+

| 101 | Jacob | 10 | manager | 31000.70 |

| 102 | john | 20 | manager | 20000.90 |

| 103 | angel | 30 | administrator | 16000.90 |

| 104 | Mack | 40 | financer | 9100.40 |

| 105 | Alice | 50 | cashier | 7200.40 |

| 106 | jigisha | 60 | MKTG | 33800.01 |

| 107 | robin | 70 | employee | 36300.58 |

| 108 | sharmin | 80 | receptionsit | 73700.34 |

| 109 | sami | 90 | it department | 12299.71 |

| 110 | ali | 100 | marketig manager | 40300.01 |

+--------+----------+------+------------------+----------+

10 rows in set (0.04 sec)

MariaDB [test]> select emp\_no, emp\_name, dept, desog, basic+da+hra-pf-it as "salary" from emp order by salary desc;

ERROR 1054 (42S22): Unknown column 'desog' in 'field list'

MariaDB [test]> select emp\_no, emp\_name, dept, desig, basic+da+hra-pf-it as "salary" from emp order by salary desc;

+--------+----------+------+------------------+----------+

| emp\_no | emp\_name | dept | desig | salary |

+--------+----------+------+------------------+----------+

| 108 | sharmin | 80 | receptionsit | 73700.34 |

| 110 | ali | 100 | marketig manager | 40300.01 |

| 107 | robin | 70 | employee | 36300.58 |

| 106 | jigisha | 60 | MKTG | 33800.01 |

| 101 | Jacob | 10 | manager | 31000.70 |

| 102 | john | 20 | manager | 20000.90 |

| 103 | angel | 30 | administrator | 16000.90 |

| 109 | sami | 90 | it department | 12299.71 |

| 104 | Mack | 40 | financer | 9100.40 |

| 105 | Alice | 50 | cashier | 7200.40 |

+--------+----------+------+------------------+----------+

10 rows in set (0.04 sec)

MariaDB [test]> select emp\_no, emp\_name, dept, desig, basic+da+hra-pf-it as "salary" from emp order by jdate desc;

+--------+----------+------+------------------+----------+

| emp\_no | emp\_name | dept | desig | salary |

+--------+----------+------+------------------+----------+

| 105 | Alice | 50 | cashier | 7200.40 |

| 106 | jigisha | 60 | MKTG | 33800.01 |

| 107 | robin | 70 | employee | 36300.58 |

| 102 | john | 20 | manager | 20000.90 |

| 108 | sharmin | 80 | receptionsit | 73700.34 |

| 103 | angel | 30 | administrator | 16000.90 |

| 101 | Jacob | 10 | manager | 31000.70 |

| 104 | Mack | 40 | financer | 9100.40 |

| 110 | ali | 100 | marketig manager | 40300.01 |

| 109 | sami | 90 | it department | 12299.71 |

+--------+----------+------+------------------+----------+

10 rows in set (0.00 sec)

MariaDB [test]> select emp\_no, emp\_name, dept, desig, basic+da+hra-pf-it as "salary" from emp where dept =50 order by emp\_no;

+--------+----------+------+---------+---------+

| emp\_no | emp\_name | dept | desig | salary |

+--------+----------+------+---------+---------+

| 105 | Alice | 50 | cashier | 7200.40 |

+--------+----------+------+---------+---------+

1 row in set (0.04 sec)

MariaDB [test]> show tables;

+----------------+

| Tables\_in\_test |

+----------------+

| ac\_mast |

| cust\_mast |

| dept |

| emp |

| trans |

+----------------+

5 rows in set (0.00 sec)

MariaDB [test]> desc dept;

+-------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+-------+-------------+------+-----+---------+-------+

| dno | int(3) | NO | PRI | NULL | |

| name | varchar(15) | YES | | NULL | |

| loc | varchar(20) | YES | | NULL | |

+-------+-------------+------+-----+---------+-------+

3 rows in set (0.06 sec)

MariaDB [test]> select emp\_no, emp\_name, dept, desig, basic+da+hra-pf-it as "salary" from emp where basic+da+hra-pf-it >10000 order by emp\_no;

+--------+----------+------+------------------+----------+

| emp\_no | emp\_name | dept | desig | salary |

+--------+----------+------+------------------+----------+

| 101 | Jacob | 10 | manager | 31000.70 |

| 102 | john | 20 | manager | 20000.90 |

| 103 | angel | 30 | administrator | 16000.90 |

| 106 | jigisha | 60 | MKTG | 33800.01 |

| 107 | robin | 70 | employee | 36300.58 |

| 108 | sharmin | 80 | receptionsit | 73700.34 |

| 109 | sami | 90 | it department | 12299.71 |

| 110 | ali | 100 | marketig manager | 40300.01 |

+--------+----------+------+------------------+----------+

8 rows in set (0.00 sec)

MariaDB [test]> select emp\_no, emp\_name, dept, desig, basic+da+hra-pf-it as "salary" from emp where name like 'j%' order by emp\_no;

ERROR 1054 (42S22): Unknown column 'name' in 'where clause'

MariaDB [test]> select emp\_no, emp\_name, dept, desig, basic+da+hra-pf-it as "salary" from emp where emp\_name like 'j%' order by emp\_no;

+--------+----------+------+---------+----------+

| emp\_no | emp\_name | dept | desig | salary |

+--------+----------+------+---------+----------+

| 101 | Jacob | 10 | manager | 31000.70 |

| 102 | john | 20 | manager | 20000.90 |

| 106 | jigisha | 60 | MKTG | 33800.01 |

+--------+----------+------+---------+----------+

3 rows in set (0.00 sec)

MariaDB [test]> select emp\_no, emp\_name, dept, d.name, d.loc, desig, basic+da+hra-pf-it as "salary" from emp where dept IN (select dno, from dept d) order by emp\_no;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'from dept d) order by emp\_no' at line 1

MariaDB [test]> select \*from dept;

+-----+-----------------+------------+

| dno | name | loc |

+-----+-----------------+------------+

| 10 | Administration | Building 1 |

| 20 | Marketing | Building 2 |

| 30 | Purchasing | Building 3 |

| 40 | Human Resources | Building 1 |

| 50 | Shipping | Building 3 |

| 60 | IT | Building 1 |

| 70 | Public Relation | Building 2 |

| 80 | Sales | Building 4 |

| 90 | Executive | Building 4 |

| 100 | Finance | Building 1 |

| 110 | Accounting | Building 2 |

+-----+-----------------+------------+

11 rows in set (0.00 sec)

MariaDB [test]> select emp\_no,emp\_name,dept,desig,basic+da+hra+pf+it as "salary" from emp where

-> dept IN (select dno from dept where loc='Building 1') order by emp\_no;

+--------+----------+------+------------------+----------+

| emp\_no | emp\_name | dept | desig | salary |

+--------+----------+------+------------------+----------+

| 101 | Jacob | 10 | manager | 49000.70 |

| 104 | Mack | 40 | financer | 12500.40 |

| 106 | jigisha | 60 | MKTG | 48203.27 |

| 110 | ali | 100 | marketig manager | 62703.27 |

+--------+----------+------+------------------+----------+

4 rows in set (0.06 sec)

MariaDB [test]> Select dno, name, loc from dept where dno IN (select dept , basic+da+hra-pf-it as "salary" from emp ( select avg(basic+da+hra-pf-it), min(basic+da+hra-pf-it) ,max(basic+da+hra-pf-it) from emp )) order by dno;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '( select avg(basic+da+hra-pf-it), min(basic+da+hra-pf-it) ,max(basic+da+hra-pf-' at line 1

MariaDB [test]>

MariaDB [test]> Select dno, name, loc from dept where dno IN (select dept , basic+da+hra-pf-it as "salary" from emp ( select avg(basic+da+hra-pf-it), min(basic+da+hra-pf-it) ,max(basic+da+hra-pf-it) from emp )) order by dno;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '( select avg(basic+da+hra-pf-it), min(basic+da+hra-pf-it) ,max(basic+da+hra-pf-' at line 1

MariaDB [test]>

MariaDB [test]> Select dno, name, loc from dept where dno IN (select dept , basic+da+hra-pf-it as "salary" from emp ( select avg(basic+da+hra-pf-it), min(basic+da+hra-pf-it) ,max(basic+da+hra-pf-it) from emp )) order by dno;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '( select avg(basic+da+hra-pf-it), min(basic+da+hra-pf-it) ,max(basic+da+hra-pf-' at line 1

MariaDB [test]> select emp\_no, emp\_name, dept, desig, basic+da+hra-pf-it as "salary" from emp where basic+da+hra-pf-it =(select MAX(basic+da+hra-pf-it) from emp);

+--------+----------+------+--------------+----------+

| emp\_no | emp\_name | dept | desig | salary |

+--------+----------+------+--------------+----------+

| 108 | sharmin | 80 | receptionsit | 73700.34 |

+--------+----------+------+--------------+----------+

1 row in set (0.04 sec)

MariaDB [test]> Select ac\_type, ac\_no, cust\_no from ac\_mast where ac\_no in(select ac\_no from trans where tdate= "CURRENTDATE");

Empty set, 1 warning (0.05 sec)

MariaDB [test]>

MariaDB [test]> Select ac\_type, ac\_no, cust\_no from ac\_mast where ac\_no in(select ac\_no from trans where tdate != "CURRENTDATE");

+---------+-------+---------+

| ac\_type | ac\_no | cust\_no |

+---------+-------+---------+

| CD | 2988 | 34556 |

| che | 2987 | 34555 |

| cur | 2984 | 34552 |

| dep | 2990 | 34558 |

| IRA | 2992 | 34560 |

| Mon | 2985 | 200 |

| Mon | 2991 | 34559 |

| sav | 2983 | 34551 |

| sav | 2989 | 34557 |

| Tra | 2986 | 34554 |

+---------+-------+---------+

10 rows in set, 1 warning (0.03 sec)

MariaDB [test]> Select cust\_no, name, city , state from cust\_mast where cust\_no IN(select cust\_no from ac\_mast where ac\_no IN( select ac\_no from trans where counter = 0));

Empty set (0.00 sec)

MariaDB [test]> Select cust\_no, name, city , state from cust\_mast where cust\_no IN(select cust\_no from ac\_mast where ac\_no IN( select ac\_no from trans where counter = 1));

+---------+-------+--------------+-------+

| cust\_no | name | city | state |

+---------+-------+--------------+-------+

| 34555 | harry | orange ville | ON |

| 34558 | ben | surry | BC |

+---------+-------+--------------+-------+

2 rows in set (0.00 sec)

MariaDB [test]> Select cust\_no, name, city , state from cust\_mast where cust\_no IN(select cust\_no from ac\_mast where ac\_no IN( select ac\_no from trans where counter > 1));

+---------+---------+----------------+-------+

| cust\_no | name | city | state |

+---------+---------+----------------+-------+

| 34551 | steven | the pas | MT |

| 34552 | james | brampton | ON |

| 34554 | banner | toronto | ON |

| 34556 | tony | edminton | AB |

| 34557 | loggi | prince alberta | SK |

| 34559 | ledger | abbotsford | BC |

| 34560 | bane | thompson | MB |

+---------+---------+----------------+-------+

7 rows in set (0.00 sec)

MariaDB [test]>

MariaDB [test]> select name ,type from emp;

ERROR 1054 (42S22): Unknown column 'name' in 'field list'

MariaDB [test]> select emp\_name, type;

ERROR 1054 (42S22): Unknown column 'emp\_name' in 'field list'

MariaDB [test]> desc emp;

+----------+---------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------+---------------+------+-----+---------+-------+

| emp\_no | int(5) | NO | PRI | NULL | |

| emp\_name | varchar(50) | YES | | NULL | |

| jdate | date | YES | | NULL | |

| dept | int(3) | YES | | NULL | |

| desig | varchar(20) | YES | | NULL | |

| basic | decimal(10,2) | YES | | NULL | |

| da | decimal(10,2) | YES | | NULL | |

| hra | decimal(10,2) | YES | | NULL | |

| pf | decimal(10,2) | YES | | NULL | |

| it | decimal(10,2) | YES | | NULL | |

+----------+---------------+------+-----+---------+-------+

10 rows in set (0.04 sec)

MariaDB [test]> update emp set basic = basic+1000;

Query OK, 10 rows affected (0.06 sec)

Rows matched: 10 Changed: 10 Warnings: 0

MariaDB [test]> select \* from emp;

+--------+----------+------------+------+------------------+----------+----------+----------+---------+---------+

| emp\_no | emp\_name | jdate | dept | desig | basic | da | hra | pf | it |

+--------+----------+------------+------+------------------+----------+----------+----------+---------+---------+

| 101 | Jacob | 2010-10-12 | 10 | manager | 16000.20 | 5000.50 | 20000.00 | 6000.00 | 3000.00 |

| 102 | john | 2012-12-20 | 20 | manager | 14000.40 | 3000.50 | 10000.00 | 4000.00 | 2000.00 |

| 103 | angel | 2011-12-11 | 30 | administrator | 11000.40 | 1000.50 | 8000.00 | 2000.00 | 1000.00 |

| 104 | Mack | 2010-01-07 | 40 | financer | 6000.40 | 800.00 | 5000.00 | 1000.00 | 700.00 |

| 105 | Alice | 2015-04-27 | 50 | cashier | 5000.40 | 700.00 | 4000.00 | 1000.00 | 500.00 |

| 106 | jigisha | 2013-10-13 | 60 | MKTG | 11000.34 | 6000.54 | 25000.76 | 5000.87 | 2200.76 |

| 107 | robin | 2013-09-18 | 70 | employee | 16000.74 | 5500.34 | 21000.76 | 4000.82 | 1200.44 |

| 108 | sharmin | 2012-05-11 | 80 | receptionsit | 13000.22 | 45000.54 | 23000.55 | 3000.20 | 3300.77 |

| 109 | sami | 2007-12-09 | 90 | it department | 12000.39 | 5000.19 | 3000.76 | 5500.87 | 1200.76 |

| 110 | ali | 2009-02-15 | 100 | marketig manager | 21000.34 | 6500.54 | 25000.76 | 7000.87 | 4200.76 |

+--------+----------+------------+------+------------------+----------+----------+----------+---------+---------+

10 rows in set (0.00 sec)

MariaDB [test]> update emp set basic = basic+1000 where emp\_name="master";

Query OK, 0 rows affected (0.00 sec)

Rows matched: 0 Changed: 0 Warnings: 0

MariaDB [test]> update emp set basic = basic+500 where desig =’MKTG’;

Query OK, 1 row affected (0.06 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [test]> update emp set basic = basic+500 where desig =’MKTG’ AND desig=’ financer’;

Query OK, 0 rows affected (0.00 sec)

Rows matched: 0 Changed: 0 Warnings: 0

MariaDB [test]> update emp set basic = basic + 300 where emp\_name like "M%";

Query OK, 1 row affected (0.03 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [test]> select \* from emp;

+--------+----------+------------+------+------------------+----------+----------+----------+---------+---------+

| emp\_no | emp\_name | jdate | dept | desig | basic | da | hra | pf | it |

+--------+----------+------------+------+------------------+----------+----------+----------+---------+---------+

| 101 | Jacob | 2010-10-12 | 10 | manager | 16000.20 | 5000.50 | 20000.00 | 6000.00 | 3000.00 |

| 102 | john | 2012-12-20 | 20 | manager | 14000.40 | 3000.50 | 10000.00 | 4000.00 | 2000.00 |

| 103 | angel | 2011-12-11 | 30 | administrator | 11000.40 | 1000.50 | 8000.00 | 2000.00 | 1000.00 |

| 104 | Mack | 2010-01-07 | 40 | financer | 6300.40 | 800.00 | 5000.00 | 1000.00 | 700.00 |

| 105 | Alice | 2015-04-27 | 50 | cashier | 5000.40 | 700.00 | 4000.00 | 1000.00 | 500.00 |

| 106 | jigisha | 2013-10-13 | 60 | MKTG | 11500.34 | 6000.54 | 25000.76 | 5000.87 | 2200.76 |

| 107 | robin | 2013-09-18 | 70 | employee | 16000.74 | 5500.34 | 21000.76 | 4000.82 | 1200.44 |

| 108 | sharmin | 2012-05-11 | 80 | receptionsit | 13000.22 | 45000.54 | 23000.55 | 3000.20 | 3300.77 |

| 109 | sami | 2007-12-09 | 90 | it department | 12000.39 | 5000.19 | 3000.76 | 5500.87 | 1200.76 |

| 110 | ali | 2009-02-15 | 100 | marketig manager | 21000.34 | 6500.54 | 25000.76 | 7000.87 | 4200.76 |

+--------+----------+------------+------+------------------+----------+----------+----------+---------+---------+

10 rows in set (0.00 sec)

MariaDB [test]> update emp set basic = basic + (basic\* 10/100);

Query OK, 10 rows affected, 5 warnings (0.04 sec)

Rows matched: 10 Changed: 10 Warnings: 5

MariaDB [test]> delete from emp where dept in (select dept from dept where name="MKTG");

Query OK, 0 rows affected (0.03 sec)

MariaDB [test]> delete from emp where jdate < "2016/11/22";

Query OK, 10 rows affected (0.05 sec)

MariaDB [test]> delete from emp where jdate >"1987/11/22";

Query OK, 0 rows affected (0.00 sec)

**MariaDB [test]> - delete from emp where jdate < "2016/11/22";**

**ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '- delete from emp where jdate < "2016/11/22"' at line 1**

**MariaDB [test]> delete from emp where jdate < "2016/11/22";\**

**Query OK, 0 rows affected (0.00 sec)**

**MariaDB [test]> delete from emp where jdate >"1987/11/22";**

**Query OK, 0 rows affected (0.00 sec)**

**MariaDB [test]> Create table EMP2 like emp;**

**Query OK, 0 rows affected (0.27 sec)**

**MariaDB [test]> alter table EMP2 modify column emp\_no VARCHAR(6);**

**Query OK, 0 rows affected (0.72 sec)**

**Records: 0 Duplicates: 0 Warnings: 0**

**MariaDB [test]> Insert into emp2 (emp\_no, emp\_name, dept, desig) select emp\_no, emp\_name, dept, desig from emp ;**

**Query OK, 0 rows affected (0.00 sec)**

**Records: 0 Duplicates: 0 Warnings: 0**

**MariaDB [test]> alter table emp2 add column status char(p or t);**

**ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'p or t)' at line 1**

**MariaDB [test]> alter table emp2 add constraint primary key(emp\_name);**

**ERROR 1068 (42000): Multiple primary key defined**

**MariaDB [test]>**

**MariaDB [test]>**

**MariaDB [test]> alter table emp2 add constraint foreign key(dept) references dept(dno);**

**Query OK, 0 rows affected (0.80 sec)**

**Records: 0 Duplicates: 0 Warnings: 0**

**MariaDB [test]> alter table emp2 add constraint unique(emp\_no);**

**Query OK, 0 rows affected (0.20 sec)**

**Records: 0 Duplicates: 0 Warnings: 0**

**MariaDB [test]> Update emp set jdate = "1970/01/01"wh1**