Setting environment for using XAMPP for Windows.

722682@128-IMAC38 c:\xampp

# mysql -u root -p

Enter password:

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

Your MariaDB connection id is 3

Server version: 10.1.21-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]> delimiter $$

MariaDB [test]> show tables;

-> $$

Empty set (0.00 sec)

MariaDB [test]> CREATE TABLE `countries` (

-> `COUNTRY\_ID` varchar(2) NOT NULL,

-> `COUNTRY\_NAME` varchar(40) DEFAULT NULL,

-> `REGION\_ID` decimal(10,0) DEFAULT NULL,

-> PRIMARY KEY (`COUNTRY\_ID`),

-> KEY `COUNTR\_REG\_FK` (`REGION\_ID`)

-> ) ENGINE=MyISAM DEFAULT CHARSET=latin1;

-> /\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;

->

-> --

-> -- Dumping data for table `countries`

-> --

->

-> LOCK TABLES `countries` WRITE;

-> /\*!40000 ALTER TABLE `countries` DISABLE KEYS \*/;

-> INSERT INTO `countries` VALUES ('AR','Argentina',2),('AU','Australia',3),('BE','Belgium',1),('BR','Brazil',2),('CA','Canada',2),('CH','Switzerland',1),('CN','China',3),('DE','Germany',1),('DK','Denmark',1),('EG','Egypt',4),('FR','France',1),('HK','HongKong',3),('IL','Israel',4),('IN','India',3),('IT','Italy',1),('JP','Japan',3),('KW','Kuwait',4),('MX','Mexico',2),('NG','Nigeria',4),('NL','Netherlands',1),('SG','Singapore',3),('UK','United Kingdom',1),('US','United States of America',2),('ZM','Zambia',4),('ZW','Zimbabwe',4);

-> /\*!40000 ALTER TABLE `countries` ENABLE KEYS \*/;

-> $$

Query OK, 0 rows affected (0.07 sec)

ERROR 1231 (42000): Variable 'character\_set\_client' can't be set to the value of 'NULL'

MariaDB [test]> show tables;

-> $$

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

| Tables\_in\_test |

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

| countries |

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

1 row in set (0.00 sec)

MariaDB [test]> select \* from countries;$$

Empty set (0.00 sec)

MariaDB [test]> INSERT INTO `countries` VALUES ('AR','Argentina',2),('AU','Australia',3),('BE','Belgium',1),('BR','Brazil',2),('CA','Canada',2),('CH','Switzerland',1),('CN','China',3),('DE','Germany',1),('DK','Denmark',1),('EG','Egypt',4),('FR','France',1),('HK','HongKong',3),('IL','Israel',4),('IN','India',3),('IT','Italy',1),('JP','Japan',3),('KW','Kuwait',4),('MX','Mexico',2),('NG','Nigeria',4),('NL','Netherlands',1),('SG','Singapore',3),('UK','United Kingdom',1),('US','United States of America',2),('ZM','Zambia',4),('ZW','Zimbabwe',4);$$

Query OK, 25 rows affected (0.00 sec)

Records: 25 Duplicates: 0 Warnings: 0

MariaDB [test]> select \* from countries;

-> $$

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

| COUNTRY\_ID | COUNTRY\_NAME | REGION\_ID |

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

| AR | Argentina | 2 |

| AU | Australia | 3 |

| BE | Belgium | 1 |

| BR | Brazil | 2 |

| CA | Canada | 2 |

| CH | Switzerland | 1 |

| CN | China | 3 |

| DE | Germany | 1 |

| DK | Denmark | 1 |

| EG | Egypt | 4 |

| FR | France | 1 |

| HK | HongKong | 3 |

| IL | Israel | 4 |

| IN | India | 3 |

| IT | Italy | 1 |

| JP | Japan | 3 |

| KW | Kuwait | 4 |

| MX | Mexico | 2 |

| NG | Nigeria | 4 |

| NL | Netherlands | 1 |

| SG | Singapore | 3 |

| UK | United Kingdom | 1 |

| US | United States of America | 2 |

| ZM | Zambia | 4 |

| ZW | Zimbabwe | 4 |

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

25 rows in set (0.00 sec)

MariaDB [test]> create procedure country\_id()>select \* from countries;$$

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 \* from countries' at line 1

MariaDB [test]> create procedure country\_id() > select \* from countries;$$

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 \* from countries' at line 1

MariaDB [test]> create procedure countries\_data() > select \* from countries;

-> $$

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 \* from countries' at line 1

MariaDB [test]> delimiter $$ create procedure proc\_variables()

MariaDB [test]> begin declare a int default 10; declare b,c int;set a=a +100;set b = 2;

-> set c = a + b;

-> begin

-> declare c int;

-> set c = 5;

-> select a,b,c;

-> end;

-> select a,b,c;

-> end $$

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 'declare a int default 10; declare b,c int;set a=a +100;set b = 2;

set c = a + b;' at line 1

MariaDB [test]> begin

-> declare a int default 10;

-> declare b,c int;

-> set a = a +100;

-> set b = 2;

-> set c = a + b;

-> begin

-> declare c int;

-> set c = 5;

-> select a,b,c;

-> end;

-> select a,b,c;

-> end $$

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 'declare a int default 10;

declare b,c int;

set a = a +100;

set b = 2;

set c = a' at line 2

MariaDB [test]> create procedure countries\_data()

-> select \* from countries;

-> $$

Query OK, 0 rows affected (0.03 sec)

MariaDB [test]> call countries\_data$$

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

| COUNTRY\_ID | COUNTRY\_NAME | REGION\_ID |

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

| AR | Argentina | 2 |

| AU | Australia | 3 |

| BE | Belgium | 1 |

| BR | Brazil | 2 |

| CA | Canada | 2 |

| CH | Switzerland | 1 |

| CN | China | 3 |

| DE | Germany | 1 |

| DK | Denmark | 1 |

| EG | Egypt | 4 |

| FR | France | 1 |

| HK | HongKong | 3 |

| IL | Israel | 4 |

| IN | India | 3 |

| IT | Italy | 1 |

| JP | Japan | 3 |

| KW | Kuwait | 4 |

| MX | Mexico | 2 |

| NG | Nigeria | 4 |

| NL | Netherlands | 1 |

| SG | Singapore | 3 |

| UK | United Kingdom | 1 |

| US | United States of America | 2 |

| ZM | Zambia | 4 |

| ZW | Zimbabwe | 4 |

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

25 rows in set (0.00 sec)

Query OK, 0 rows affected (0.27 sec)

MariaDB [test]> delimiter $$

MariaDB [test]> create procedure countries\_data\_variables()

-> begin

-> set @x = 15;

-> set y = 10;

-> select @x,@y,@x-@y;

-> end$$

ERROR 1193 (HY000): Unknown system variable 'y'

MariaDB [test]> create procedure countries\_data\_variables()

-> begin

-> set @x = 15;

-> set @y = 10;

-> select @x,@y,@x-@y;

-> end$$

Query OK, 0 rows affected (0.23 sec)

MariaDB [test]> call countries\_data\_variables;

-> $$

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

| @x | @y | @x-@y |

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

| 15 | 10 | 5 |

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

1 row in set (0.02 sec)

Query OK, 0 rows affected (0.02 sec)

MariaDB [test]> delimiter $$

MariaDB [test]> create procedure proc\_IN(IN var1 int)

-> begin

-> select \* from countries LIMIT var1;

-> end$$

Query OK, 0 rows affected (0.05 sec)

MariaDB [test]> call proc\_in(2);

-> $$

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

| COUNTRY\_ID | COUNTRY\_NAME | REGION\_ID |

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

| AR | Argentina | 2 |

| AU | Australia | 3 |

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

2 rows in set (0.00 sec)

Query OK, 0 rows affected (0.01 sec)

MariaDB [test]> call proc\_in(7);$$

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

| COUNTRY\_ID | COUNTRY\_NAME | REGION\_ID |

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

| AR | Argentina | 2 |

| AU | Australia | 3 |

| BE | Belgium | 1 |

| BR | Brazil | 2 |

| CA | Canada | 2 |

| CH | Switzerland | 1 |

| CN | China | 3 |

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

7 rows in set (0.00 sec)

Query OK, 0 rows affected (0.06 sec)

MariaDB [test]> CREATE TABLE `jobs` (

-> `JOB\_ID` varchar(10) NOT NULL DEFAULT '',

-> `JOB\_TITLE` varchar(35) NOT NULL,

-> `MIN\_SALARY` decimal(6,0) DEFAULT NULL,

-> `MAX\_SALARY` decimal(6,0) DEFAULT NULL,

-> PRIMARY KEY (`JOB\_ID`)

-> ); $$

Query OK, 0 rows affected (0.56 sec)

MariaDB [test]> INSERT INTO `jobs` VALUES ('AD\_PRES','President',20000,40000),('AD\_VP','Administration Vice President',15000,30000),('AD\_ASST','Administration Assistant',3000,6000),('FI\_MGR','Finance Manager',8200,16000),('FI\_ACCOUNT','Accountant',4200,9000),('AC\_MGR','Accounting Manager',8200,16000),('AC\_ACCOUNT','Public Accountant',4200,9000),('SA\_MAN','Sales Manager',10000,20000),('SA\_REP','Sales Representative',6000,12000),('PU\_MAN','Purchasing Manager',8000,15000),('PU\_CLERK','Purchasing Clerk',2500,5500),('ST\_MAN','Stock Manager',5500,8500),('ST\_CLERK','Stock Clerk',2000,5000),('SH\_CLERK','Shipping Clerk',2500,5500),('IT\_PROG','Programmer',4000,10000),('MK\_MAN','Marketing Manager',9000,15000),('MK\_REP','Marketing Representative',4000,9000),('HR\_REP','Human Resources Representative',4000,9000),('PR\_REP','Public Relations Representative',4500,10500);$$

Query OK, 19 rows affected (0.08 sec)

Records: 19 Duplicates: 0 Warnings: 0

MariaDB [test]> create procedure job\_data()

-> select \* from jobs;

-> $$

Query OK, 0 rows affected (0.06 sec)

MariaDB [test]> create procedure my\_proc\_out(out highest\_salary int

-> )

-> begin

-> select MAX(MAX\_salary) into highest\_salary from jobs;

-> end$$

Query OK, 0 rows affected (0.06 sec)

MariaDB [test]> call my\_proc\_out(@M)$$ select @M$$

Query OK, 1 row affected (0.00 sec)

+-------+

| @M |

+-------+

| 40000 |

+-------+

1 row in set (0.00 sec)

MariaDB [test]> create procedure proc\_INOUT(INOUT maxsalary int,IN design char(30))

-> begin

-> select max\_salary into maxsalary from jobs where job\_title = desig;

-> end$$

Query OK, 0 rows affected (0.13 sec)

MariaDB [test]> call proc\_INOUT(@C,'stock clerk')$$

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

MariaDB [test]> select \* from jobs;

-> $$

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

| JOB\_ID | JOB\_TITLE | MIN\_SALARY | MAX\_SALARY |

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

| AC\_ACCOUNT | Public Accountant | 4200 | 9000 |

| AC\_MGR | Accounting Manager | 8200 | 16000 |

| AD\_ASST | Administration Assistant | 3000 | 6000 |

| AD\_PRES | President | 20000 | 40000 |

| AD\_VP | Administration Vice President | 15000 | 30000 |

| FI\_ACCOUNT | Accountant | 4200 | 9000 |

| FI\_MGR | Finance Manager | 8200 | 16000 |

| HR\_REP | Human Resources Representative | 4000 | 9000 |

| IT\_PROG | Programmer | 4000 | 10000 |

| MK\_MAN | Marketing Manager | 9000 | 15000 |

| MK\_REP | Marketing Representative | 4000 | 9000 |

| PR\_REP | Public Relations Representative | 4500 | 10500 |

| PU\_CLERK | Purchasing Clerk | 2500 | 5500 |

| PU\_MAN | Purchasing Manager | 8000 | 15000 |

| SA\_MAN | Sales Manager | 10000 | 20000 |

| SA\_REP | Sales Representative | 6000 | 12000 |

| SH\_CLERK | Shipping Clerk | 2500 | 5500 |

| ST\_CLERK | Stock Clerk | 2000 | 5000 |

| ST\_MAN | Stock Manager | 5500 | 8500 |

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

19 rows in set (0.00 sec)

MariaDB [test]> create procedure job\_search1(IN salary int,OUT CNTEMP int)

-> begin

-> select count(\*) into CNTEMP from jobs where max\_salary > salary;

-> end$$

Query OK, 0 rows affected (0.06 sec)

MariaDB [test]> call job\_search1(5000)$$

ERROR 1318 (42000): Incorrect number of arguments for PROCEDURE test.job\_search1; expected 2, got 1

MariaDB [test]> call job\_search1(5000,@E)$$

Query OK, 1 row affected (0.00 sec)

MariaDB [test]> select @E $$

+------+

| @E |

+------+

| 18 |

+------+

1 row in set (0.00 sec)

MariaDB [test]> create procedure proc\_INOUT(INOUT maxsalary int,IN design char(30))

-> begin

-> select max\_salary into maxsalary from jobs where job\_title = desig;

-> $$

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 '' at line 3

MariaDB [test]> create procedure proc\_INOUT(INOUT maxsalary int,IN President char(30))

-> begin

-> select max\_salary into maxsalary from jobs where job\_title = president;

-> end$$

ERROR 1304 (42000): PROCEDURE proc\_INOUT already exists

MariaDB [test]> create procedure proc\_INOUT1(INOUT maxsalary int,IN President char(30))

-> begin

-> select max\_salary into maxsalary from jobs where job\_title = president;

-> end$$

Query OK, 0 rows affected (0.06 sec)

MariaDB [test]> call proc\_INOUT(@P,'Programmer')$$

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

MariaDB [test]> call proc\_INOUT1(@P,'programmer')$$

Query OK, 1 row affected (0.01 sec)

MariaDB [test]> select @P $$

+-------+

| @P |

+-------+

| 10000 |

+-------+

1 row in set (0.00 sec)

MariaDB [test]> create procedure proc\_compare\_salary(IN desig char(30))

-> begin

-> declare progsal int;

-> declare presSal int;

-> select min\_salary into progsal from jobs where JOB\_TITLE = desig;

-> select min\_salary into presSal from jobs where JOB\_TITLE ='president';

-> SET presSal = presSal/2;

-> select presSal;

-> select progsal;

-> if(progsal < presSal)

-> then

-> select'You need an increament.';

-> else

-> if(progsal = presSal)

-> then

-> select 'salary is moderate';

-> else

-> select 'you are earning good';

-> enf if;

-> end$$

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 'if;

end' at line 19

MariaDB [test]> create procedure proc\_compare\_salary1(IN desig char(30))

-> begin

-> declare progsal int;

-> declare presSal int;

-> select min\_salary into progsal from jobs where JOB\_TITLE = desig;

-> select min\_salary into presSal from jobs where JOB\_TITLE ='president';

-> SET presSal = presSal/2;

-> select presSal;

-> select presSal;

-> $$

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 '' at line 9

MariaDB [test]> Bye

722682@128-IMAC38 c:\xampp

# mysql -u root -p

Enter password:

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

Your MariaDB connection id is 4

Server version: 10.1.21-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2016, Oracle, MariaDB Corporation Ab and others.

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 |

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

| countries |

| jobs |

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

2 rows in set (0.00 sec)

MariaDB [test]> delimiter$$

-> ;

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 'delimiter$$' at line 1

MariaDB [test]> delimiter $$;

MariaDB [test]> create procedure job\_data()

-> select \* from jobs;

-> $$

-> $$;

ERROR 1304 (42000): PROCEDURE job\_data already exists

MariaDB [test]> use procedure job\_data;$$

ERROR 1049 (42000): Unknown database 'procedure'

MariaDB [test]> create procedure job\_data1()

-> select \* from jobs;

-> $$

-> $$;

Query OK, 0 rows affected (0.06 sec)

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 '$$' at line 1

MariaDB [test]> create procedure proc\_compare\_salary2(IN desig char(30))

-> begindeclare progsal int;

-> $$:

-> $$;

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 'progsal int;

$$:' at line 2

MariaDB [test]> create procedure pro\_case(INOUT no\_employees int,IN salary int)

-> begin

-> case

-> when(salary >10000)

-> then (select count(job\_id) into no\_employees from where min\_salary>10000);

-> $$;

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 'where min\_salary>10000)' at line 5

MariaDB [test]> \ create procedure pro\_case(INOUT no\_employees int,IN salary int)

ERROR: Unknown command '\ '.

-> begin

-> case

-> when(salary >10000)

-> then (select count(job\_id) into no\_employees from jobs where min\_salary>10000);

-> when (salary < 10000)

-> then (select count(job\_id into no employees from jobs where min\_salary<10000);

-> else

-> (select count(job\_id) into no\_employees from jobs where min\_salary=10000);

-> end case;

-> end$$

-> $$;

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 '\ create procedure pro\_case(INOUT no\_employees int,IN salary int)

begin

case

w' at line 1

MariaDB [test]> create table numbers(N1 float(5,2));$$

-> ;

-> $$;

Query OK, 0 rows affected (0.48 sec)

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 '$$' at line 1

MariaDB [test]> delimiter$$;

ERROR: DELIMITER must be followed by a 'delimiter' character or string

MariaDB [test]> create procedure proc\_LOOP(IN num INT)

-> begin

-> declare x int;

-> set x = 0;

-> loop\_label:LOOP

-> insert into numbers values(rand());

-> setx=x+1;

-> if x> = num

-> then leave loop\_label;

-> end if;

-> end loop;

-> end$$

-> $$;

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 '=x+1;

if x> = num

then leave loop\_label;

end if;

end loop;

end$$' at line 7

MariaDB [test]> create procedure proc\_LOOP(IN num INT)

-> begin

-> declare x int;

-> set x = 0;

-> loop\_label:LOOP

-> insert into numbers values(rand());

-> set x=x+1;

-> if x >= num

-> then leave loop\_label;

-> end if;

-> end loop;

-> end$$

-> $$;

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 '' at line 12

MariaDB [test]> delimiter $$;

MariaDB [test]> create procedure proc\_LOOP(IN num INT)

-> begin

-> declare x int;

-> set x = 0;

-> loop\_label:LOOP

-> insert into numbers values(rand());

-> set x=x+1;

-> if x >= num

-> then leave loop\_label;

-> end if;

-> end loop;

-> End$$

-> $$;

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 '' at line 12

MariaDB [test]> exit

Bye