-> BEGIN set @x = 0;

-> while @x <n

-> DO

-> if mod(@x,n) = 0

-> THEN set @num = @x;

-> END WHILE;

-> 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 'WHILE;

END' at line 7

MariaDB [csd2204w18]> create procedure proc\_prime(IN n INT)

-> BEGIN

-> set @num = 0;

-> set @x = 1;

-> while @x<n

-> DO

-> if mod(@x,n) = 0

-> THEN SET @num = @x;

-> END IF;

-> SET @x = @x+1;

-> END while;

-> END$$

Query OK, 0 rows affected (0.09 sec)

MariaDB [csd2204w18]> call proc\_prime(10)$$

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> select @num;

-> $$

+------+

| @num |

+------+

| 0 |

+------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select @x;

-> $$

+------+

| @x |

+------+

| 10 |

+------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> drop procedure proc\_prime();

-> $$

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 [csd2204w18]> create procedure proc\_primeNum(IN n INT)

-> BEGIN

-> set @num = 1;

-> set @x = 1;

-> while @num <n

-> DO

-> if mod(@num,@n) = 0

-> THEN SET @num = @n;

-> END IF;

-> SET @x = @x+1;

-> END WHILE;

-> END$$

Query OK, 0 rows affected (0.11 sec)

MariaDB [csd2204w18]> call proce\_primeNum(10);

-> $$

ERROR 1305 (42000): PROCEDURE csd2204w18.proce\_primeNum does not exist

MariaDB [csd2204w18]> call proc\_primeNum(10)$$

Setting environment for using XAMPP for Windows.

727012@128-IMAC18 c:\xampp

# mysql -u root -p

Enter password:

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

Your MariaDB connection id is 7

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)]> show databases;

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

| Database |

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

| csd2204w18 |

| information\_schema |

| mysql |

| performance\_schema |

| phpmyadmin |

| test |

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

6 rows in set (0.00 sec)

MariaDB [(none)]> use csd2204w18;

Database changed

MariaDB [csd2204w18]> show tables;

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

| Tables\_in\_csd2204w18 |

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

| animals |

| countries |

| d10\_v1 |

| d10\_v2 |

| departments |

| employees |

| job\_history |

| jobs |

| locations |

| manu |

| number |

| numbers |

| pet |

| products |

| regions |

| v1\_today |

| v\_today |

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

17 rows in set (0.00 sec)

MariaDB [csd2204w18]> CREATE PROCEDURE proc\_LOOP (IN num INT)

-> BEGIN

-> DECLARE x 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 '' at line 3

MariaDB [csd2204w18]> SET x = 0;

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

MariaDB [csd2204w18]> loop\_label: LOOP

-> INSERT INTO number VALUES (rand());

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 'loop\_label: LOOP

INSERT INTO number VALUES (rand())' at line 1

MariaDB [csd2204w18]> SET x = x + 1;

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

MariaDB [csd2204w18]> IF x >= num

-> THEN LEAVE loop\_label;

ERROR 1308 (42000): LEAVE with no matching label: loop\_label

MariaDB [csd2204w18]> END IF;

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 'END IF' at line 1

MariaDB [csd2204w18]> END LOOP;

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 'END LOOP' at line 1

MariaDB [csd2204w18]> DELIMITER $$

MariaDB [csd2204w18]> CREATE PROCEDURE proc\_LOOP (IN num INT)

-> BEGIN

-> DECLARE x INT;

-> SET x = 0;

-> loop\_label: LOOP

-> INSERT INTO number VALUES (rand());

-> SET x = x + 1;

-> IF x >= num

-> THEN LEAVE loop\_label;

-> END IF;

-> END LOOP;

-> END$$

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

MariaDB [csd2204w18]> show procedure;

-> $$

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 [csd2204w18]> CREATE PROCEDURE proc\_REPEAT (IN n INT)

-> BEGIN

-> SET @sum = 0;

-> SET @x = 1;

-> REPEAT

-> IF mod(@x, 2) = 0

-> THEN SET @sum = @sum + @x;

-> END IF;

-> SET @x = @x + 1;

-> UNTIL @x > n

-> END REPEAT;

-> END $$

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

MariaDB [csd2204w18]> CREATE PROCEDURE proce\_REPEAT (IN n INT)

-> BEGIN

-> SET @sum = 0;

-> SET @x = 1;

-> REPEAT

-> IF mod(@x, 2) = 0

-> THEN SET @sum = @sum + @x;

-> END IF;

-> SET @x = @x + 1;

-> UNTIL @x > n

-> END REPEAT;

-> END $$

Query OK, 0 rows affected (0.06 sec)

MariaDB [csd2204w18]> CALL proc\_REPEAT(5)$$

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> SELECT @sum$$

+------+

| @sum |

+------+

| 6 |

+------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> CREATE PROCEDURE proced\_WHILE(IN n INT)

-> BEGIN

-> SET @sum = 0;

-> SET @x = 1;

-> WHILE @x<n

-> DO

-> IF mod(@x, 2) <> 0

-> THEN SET @sum = @sum + @x;

-> END IF;

-> SET @x = @x + 1;

-> END WHILE;

-> END$$

Query OK, 0 rows affected (0.08 sec)

MariaDB [csd2204w18]> CALL proc\_WHILE(5)$$

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> SELECT @sum$$

+------+

| @sum |

+------+

| 4 |

+------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> CALL my\_proc\_WHILE(10)$$

ERROR 1305 (42000): PROCEDURE csd2204w18.my\_proc\_WHILE does not exist

MariaDB [csd2204w18]> CALL my\_proce\_WHILE(10)$$

ERROR 1305 (42000): PROCEDURE csd2204w18.my\_proce\_WHILE does not exist

MariaDB [csd2204w18]> CALL my\_proced\_WHILE(10)$$

ERROR 1305 (42000): PROCEDURE csd2204w18.my\_proced\_WHILE does not exist

MariaDB [csd2204w18]> CALL proced\_WHILE(10)$$)$$

Query OK, 0 rows affected (0.00 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 [csd2204w18]> CALL proced\_WHILE(10)$$

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> SELECT @sum$$

+------+

| @sum |

+------+

| 25 |

+------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> create proced\_primenumber(IN n INT)

-> BEGIN

-> SET @x = 0;

-> set @x = 1;

-> while @x<n

-> DO

-> IF mod(@x,$$

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 'proced\_primenumber(IN n INT)

BEGIN

SET @x = 0;

set @x = 1;

while @x<n

DO

IF mod' at line 1

MariaDB [csd2204w18]> create proced\_primeNumber(In n INT)

-> BEGIN

-> set @x = 0;

-> set @num = 1;

-> while @x<n

-> Do

-> If mod(n,@num) = 0

-> THEN SET @num = @num + 1;

-> END WHILE;

-> 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 'proced\_primeNumber(In n INT)

BEGIN

set @x = 0;

set @num = 1;

while @x<n

Do

If m' at line 1

MariaDB [csd2204w18]> create procedure proced\_primeNumber(In n INT)

-> BEGIN

-> set @num = 0;

-> SET @x = 1;

-> while @x<n

-> DO

-> $$

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 6

MariaDB [csd2204w18]> CREATE PROCEDURE proc\_cursors(INOUT return\_val INT)

-> BEGIN

-> DECLARE a,b INT;

-> DECLARE cur\_1 CURSOR FOR SELECT max\_salary FROM jobs;

-> DECLARE CONTINUE HANDLER FOR NOT FOUND SET b = 1;

-> open cur\_1;

-> REPEAT

-> FETCH cur\_1 INTO a;

-> UNTIL b = 1

-> END REPEAT;

-> CLOSE cur\_1;

-> SET return\_val = a;

-> END$$

Query OK, 0 rows affected (0.08 sec)

MariaDB [csd2204w18]> CALL proc\_cursors(@R)$$

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> SELECT @R$$

+-------+

| @R |

+-------+

| 10500 |

+-------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> CREATE OR REPLACE PROCEDURE testError()

-> BEGIN

-> DECLARE CONTINUE HANDLER FOR SQLEXCEPTION SELECT 'Error

'> occured';

-> INSERT INTO test.customer(customer\_id,cust\_name)

-> VALUES(3001,"test");

-> SELECT \*FROM test.customer;

-> END$$

Query OK, 0 rows affected (0.13 sec)

MariaDB [csd2204w18]> CALL testError()$$

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

| Error

occured |

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

| Error

occured |

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

1 row in set (0.00 sec)

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

| Error

occured |

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

| Error

occured |

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

1 row in set (0.01 sec)

Query OK, 0 rows affected (0.01 sec)

MariaDB [csd2204w18]>