**INPUT:**

create procedure prime(in p int(5))

begin

DECLARE i int **default 1**;

DECLARE j int **default 1**;

DECLARE x int **default 0**;

DECLARE y int **default 0**;

DECLARE str varchar(20000);

SET str=' ';

while(j<=p) do

while(i<=j) do

if(j%i=0) then

set x=x+1;

end if;

set i=i+1;

end while;

if(x=2) then

SET str= concat(str,'\n',j);

insert into prime(pnumber) values(@str);

set y=y+1;

end if;

set x=0;

set i=1;

set j=j+1;

end while;

select str;

select y as "no of prime numbers";

end$$

**OUTPUT:**

MariaDB [csd2204w18]> CALL prime(15)$$

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

| str |

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

|

2

3

5

7

11

13 |

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

1 row in set (0.70 sec)

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

| no of prime numbers |

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

| 6 |

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

1 row in set (0.72 sec)

Query OK, 0 rows affected (0.72 sec)

MariaDB [csd2204w18]>