

31 YASHRAJ DEEPAK DEVRAT

Use mysql;

Create table stud(

rno int primary key,

name varchar(20) not null,

per float);

delimiter \$

create procedure insertdata(roll int,sname varchar(20),sub1 int,sub2 int,sub3 int)

begin

declare percentage float;

set percentage = ((sub1+sub2+sub3)/300)\*100;

insert into stud values( roll, sname, percentage);

select percentage;

end\$

delimiter ;

select \* from stud;

call insertdata(1,'Shreyash',70,75,90);

call insertdata(2,'Abhi',80,83,95);

call insertdata(3,'Krishna',50,53,65);

call insertdata(4,'Madhu',57,73,64);

call insertdata(5,'Aditya',70,53,75);

drop procedure insertdata;

delimiter \$

create procedure showdata(roll int)

begin

select per from stud where rno=roll;

end\$

delimiter ;

call showdata(4);

drop procedure showdata;

The screenshot shows the MySQL Workbench interface. The query editor contains the following SQL code:

```
17 delimiter ;
18 select * from studdata;
19 call insertrecord(1,'Yash',70,75,90);
20 call insertrecord(2,'Abhishek',80,83,95);
21 call insertrecord(3,'Kunal',50,53,65);
```

The output window shows the execution results of the queries. The first query, `select * from studdata;`, returned 66 rows. The subsequent queries, `call insertrecord(...)`, executed successfully. The final query, `drop procedure showdata;`, also executed successfully.

#	Time	Action	Message	Duration / Fetch
14	17:29:36	drop procedure insertrecord	0 row(s) affected	0.000 sec
15	17:29:36	create procedure showdata(roll int) begin select per from studdata where mo=roll; end	0 row(s) affected	0.000 sec
16	17:29:36	call showdata(4)	1 row(s) returned	0.000 sec / 0.000 sec
17	17:29:36	drop procedure showdata	0 row(s) affected	0.000 sec
18	17:32:26	create table studdata(mo int primary key, name varchar(20) not null, per float)	Error Code: 1050. Table 'studdata' already exists	0.000 sec
19	17:33:04	call showdata(5)	Error Code: 1305. PROCEDURE mysql.showdata does not exist	0.000 sec
20	17:33:22	create procedure showdata(roll int) begin select per from studdata where mo=roll; end	0 row(s) affected	0.015 sec
21	17:33:22	call showdata(5)	1 row(s) returned	0.000 sec / 0.000 sec
22	17:33:22	drop procedure showdata	0 row(s) affected	0.016 sec

```
DELIMITER $$
CREATE FUNCTION fibonacci(num INT)
RETURNS INT
DETERMINISTIC
BEGIN
    DECLARE fib1 INT DEFAULT 0;
    DECLARE fib2 INT DEFAULT 1;
    DECLARE fib3 INT DEFAULT 0;
    DECLARE str VARCHAR(255) DEFAULT '01';

    IF num = 1 THEN
        RETURN fib1;
    ELSEIF num = 2 THEN
        RETURN CONCAT(fib1, fib2);
    ELSE
        WHILE num > 2 DO
            SET fib3 = fib1 + fib2;
            SET fib1 = fib2;
            SET fib2 = fib3;
            SET num = num - 1;
            SET str = CONCAT(str, fib3);
        END WHILE;
        RETURN str;
    END IF;
END $$
```

```
select fibonacci(4)
```

MySQL Workbench

dbms ass 4b x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- company
- companyinfo
- mydata
- student
- sys
- vpkbiat

Administration Schemas

Information

No object selected

Query 1

```
26 RETURN str;  
27 END IF;  
28 END $$  
29  
30 select fibonacci;
```

Limit to 1000 rows

Result Grid

fibonacci(4)

112

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Read Only Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	19:52:05	use mysql	0 row(s) affected	0.000 sec
2	19:52:12	CREATE FUNCTION fibonacci(num INT) RETURNS INT DETERMINISTIC BEGIN DECLARE	0 row(s) affected	0.016 sec
3	19:52:18	select fibonacci(6) LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
4	19:52:30	select fibonacci(3) LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
5	19:53:36	select fibonacci(4) LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

23°C Mostly cloudy

ENG IN

19:56 08-10-2022