

MySQL Workbench

Local instance MySQL80

FileEditViewQueryDatabaseServerToolsScriptingHelp

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SCHEMAS

Filter objects

square

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square_num3

strike_rate_finder

Update_age

Update_Worker_Depz

Worker_Count_By_De

Worker_Salary

Workers

Administration

Schemas

Information

SQL Editor

5# 1. Create a stored procedure that takes in IN parameters for all the columns in the Worker table

6-- and adds a new record to the table and then invokes the procedure call.

7DELIMITER //

8CREATE PROCEDURE Workers(IN Worker_Id INT,IN First_Name CHAR(25),IN Last_Name CHAR(25),IN Salary INT ,IN Joining_Date DATETIME,IN Department CHAR(25))

9BEGIN

10INSERT INTO Worker (worker_id, First_Name, Last_Name, salary,Joining_Date,Department)

11VALUES (1,'ajay','cr',50000,'2024-11-11 09:00:00','sales'),(2,'arun','kumar',60000,'2024-10-11 09:02:00','Hr'),

12(3,'swathi','krishna',45000,'2024-09-11 09:10:12','Marketing'),(4,'Agosh','menon',40000,'2024-10-11 09:15:00','IT'),

13(5,'Santhosh','Raj',30000,'2024-06-11 09:00:00','Finance'),(6,'premjith','kp',40000,'2024-07-11 09:18:00','Hr'),

14(7,'swaraj','nair',45000,'2022-05-11 09:20:00','Finance'),(8,'sukumar','joshi',55000,'2023-07-11 08:20:00','Marketing'),

Result Grid

Filter Rows:Export:Wrap Cell Content:

	Worker_Id	First_Name	Last_Name	Salary	Joining_Date	Department
1	ajay	cr	50000	2024-11-11 09:00:00	sales	
2	arun	kumar	60000	2024-10-11 09:02:00	Hr	
3	swathi	krishna	45000	2024-09-11 09:10:12	Marketing	
4	Agosh	menon	40000	2024-10-11 09:15:00	IT	
5	Santhosh	Raj	30000	2024-06-11 09:00:00	Finance	
6	premjith	kp	40000	2024-07-11 09:18:00	Hr	
7	swaraj	nair	45000	2022-05-11 09:20:00	Finance	
8	sukumar	joshi	55000	2023-07-11 08:20:00	Marketing	
9	sarang	kumar	25000	2024-11-11 09:30:00	Marketing	

Worker 2

Output

Action Output

#	Time	Action	Message	Duration / Fetch
41	20:53:42	CALL Workers (5,'Santhosh','Raj',30000,'2024-06-11 09:00:00','Finance')	10 row(s) affected	0.031 sec
42	20:53:44	SELECT * FROM Worker LIMIT 0, 200	20 row(s) returned	0.000 sec / 0.000 sec

Object InfoSession

Local instance MySQL80 x

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Navigator Filter objects

- square4
- square_num3
- strike_rate_finder
- Update_age
- Update_Worker_Depi
- Worker_Count_By_De
- Worker_Salary
- Workers

Functions

- product
- sales

Administration Schemas

Schema: entry_d41

foreign key time stamp joins built in functions user defined functions sub queries views stored procedures sp triggers ASSIGNMENT 9*

Limit to 200 rows

```
19 • SELECT * FROM Worker;
20
21 # 2. Write stored procedure takes in an IN parameter for WORKER_ID and an OUT parameter for SALARY.
22 -- It should retrieve the salary of the worker with the given ID and returns it in the p_salary parameter. Then make the procedure call.
23 DELIMITER //
24
25 • CREATE PROCEDURE Worker_Salary (IN workers_code INT, OUT workers_salary DECIMAL(10, 2))
26 BEGIN
27 SELECT salary INTO workers_salary FROM Worker WHERE Worker_Id =workers_code ;
28 END //
29 DELIMITER ;
30
31 • SET @new_salary = 45000;
```

Result Grid

	Worker_Salary
▶	45000

Result 4 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
49	20:56:21	CALL Worker_Salary (3, @new_salary)	Error Code: 1172. Result consisted of more than one row	0.000 sec
50	20:56:25	SELECT @new_salary AS Worker_Salary LIMIT 0, 200	1 row(s) returned	0.000 sec / 0.000 sec

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator foreign key time stamp joins built in functions user defined functions sub queries views stored procedures sp triggers ASSIGNMENT 9*

SCHEMAS

Filter objects

- square4
- square_num3
- strike_rate_finder
- Update_age
- Update_Worker_Depz
- Worker_Count_By_De
- Worker_Salary
- Workers

Administration Schemas

Schema: entry_d41

```
34
35 # 3. Create a stored procedure that takes in IN parameters for WORKER_ID and DEPARTMENT.
36 -- It should update the department of the worker with the given ID. Then make a procedure call.
37 DELIMITER //
38
39 • CREATE PROCEDURE Update_Worker_Department (IN workers_code INT, IN workers_department CHAR(25))
40 BEGIN
41 UPDATE Worker SET department = workers_department WHERE worker_id = workers_code;
42 END //
43 DELIMITER ;
44
45 • CALL Update_Worker_Department (1, 'sales');
```

Result Grid

Worker_Id	First_Name	Last_Name	Salary	Joining_Date	Department
1	ajay	cr	50000	2024-11-11 09:00:00	sales
1	ajay	cr	50000	2024-11-11 09:00:00	sales

Worker 5 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 51	20:57:12	CALL Update_Worker_Department (1, 'sales')	0 row(s) affected	0.015 sec
✓ 52	20:57:15	SELECT * FROM Worker WHERE Worker_Id = 1 LIMIT 0, 200	2 row(s) returned	0.000 sec / 0.000 sec

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- square4
- square_num3
- strike_rate_finder
- Update_age
- Update_Worker_Depe
- Worker_Count_By_De
- Worker_Salary
- Workers

Administration Schemas

Information

Schema: entry_d41

foreign key time stamp joins built in functions user defined functions sub queries views stored procedures sp triggers ASSIGNMENT 9*

Limit to 200 rows

```
49 # 4. Write a stored procedure that takes in an IN parameter for DEPARTMENT and an OUT parameter for p_workerCount.
50 -- It should retrieve the number of workers in the given department and returns it in the p_workerCount parameter. Make procedure call.
51 DELIMITER //
52 • CREATE PROCEDURE Worker_Count_By_Department (IN P_department VARCHAR(50),OUT P_workerCount INT)
53 BEGIN
54 SELECT COUNT(*) INTO P_workerCount FROM Worker WHERE department = P_department;
55 END //
56 DELIMITER ;
57
58 • SET @workers_Count = 0;
59 • CALL Worker_Count_By_Department ('Finance', @workers_Count);
60 • SELECT @workers_Count AS Worker_Count;
61
```

Result Grid

Filter Rows: Exports: Wrap Cell Contents: I

Worker_Count

4

Result 6 x Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 54	20:57:54	CALL Worker_Count_By_Department ('Finance', @workers_Count)	1 row(s) affected	0.015 sec
✓ 55	20:57:56	SELECT @workers_Count AS Worker_Count LIMIT 0, 200	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator: foreign key time stamp joins builtin functions user defined functions sub queries views stored procedures sp triggers ASSIGNMENT 9*

SCHEMAS

Filter objects

- Views
- Stored Procedures
 - Average_Salary_By_D
 - calculateavg_strike_ra
 - calculateavg_strike_re
 - GetRemainder
 - greet
 - greet2
 - Multiplication
 - square
 - square2

Administration Schemas Information

Schema: entry_d41

```
62 #5. Write a stored procedure that takes in an IN parameter for DEPARTMENT and an OUT parameter for p_avgSalary.
63 -- It should retrieve the average salary of all workers in the given department and returns it in the p_avgSalary parameter and call the procedure.
64 DELIMITER //
65 CREATE PROCEDURE Average_Salary_By_Department (IN p_department VARCHAR(50),OUT p_avgSalary double)
66 BEGIN
67     SELECT AVG(salary) INTO p_avgSalary FROM Worker WHERE department = p_department;
68 END //
69 DELIMITER ;
70
71 SET @avg_salary =0 ;
72 CALL Average_Salary_By_Department('Marketing', @avg_salary);
73 SELECT @avg_salary AS Average_Salary;
74
```

Result Grid

Average_Salary
41666.6666666666

Result7 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 57	20:58:24	CALL Average_Salary_By_Department('Marketing', @avg_salary)	1 row(s) affected	0.000 sec
✓ 58	20:58:26	SELECT @avg_salary AS Average_Salary LIMIT 0, 200	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session