ASSIGNMENT _9 MYSQL

Stored Procedures

Consider the Worker table with following fields: Worker_Id INT FirstName CHAR(25), LastName CHAR(25), Salary INT(15), Joining Date DATETIME, Department CHAR(25))

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
101	Subin	Das	37000	2023-11-11 09:00:00	IT
102	Ashok	Varma	46000	2022-09-20 09:00:00	HR
103	Latha	Mohan	40000	2021-03-13 08:30:00	Accounts
104	Fathims	Begam	45000	2019-06-12 08:00:00	IT
105	Gopala	Krishnan	60000	2015-02-10 09:30:00	IT
106	muhammad	Ashraf	45000	2021-04-10 09:30:00	Accounts
110	Anwar	Sadique	50000	2024-10-30 09:00:00	HR

Inserted raw worker id_110

```
31    -- 1. Create a stored procedure that takes in IN parameters for
32    -- all the columns in the Worker table and adds a new record to the table and then invokes the procedure call.
33    # 1.INSERT ROW PROCEDURE
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

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101	Subin	Das	37000	2023-11-11 09:00:00	IT
102	Ashok	Varma	46000	2022-09-20 09:00:00	HR
103	Latha	Mohan	40000	2021-03-13 08:30:00	Accounts
104	Fathims	Begam	45000	2019-06-12 08:00:00	IT
105	Gopala	Krishnan	60000	2015-02-10 09:30:00	IT
106	muhammad	Ashraf	45000	2021-04-10 09:30:00	Accounts
110	Anwar	Sadique	50000	2024-10-30 09:00:00	HR

```
48    -- 2. Write stored procedure takes in an IN parameter for WORKER_ID and an OUT parameter for SALARY.
49    -- It should retrieve the salary of the worker with the given ID and returns it in the p_salary parameter.
50     -- Then make the procedure call.
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

	@SALARY
▶	46000

call update_department(102,'HR');

```
62    -- 3. Create a stored procedure that takes in IN parameters for WORKER_ID and DEPARTMENT.
63    -- It should update the department of the worker with the given ID. Then make a procedure call.
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
101	Subin	Das	37000	2023-11-11 09:00:00	IT
102	Ashok	Varma	46000	2022-09-20 09:00:00	HR
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110	Anwar	Sadique	50000	2024-10-30 09:00:00	HR

4. Write a stored procedure that takes in an IN parameter for DEPARTMENT and an OUT parameter for p_workerCount. It should retrieve the number of workers in the given department and returns it in the p_workerCount parameter. Make procedure call.

```
98 •    select @workernumber as accounts_Department;
99 •    CALL GetWorker_countbyDepartment('accounts',@workernumber);
100
101     --  5. Write a stored procedure that takes in an IN parameter for
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

	accounts_Department
▶	2

```
96 •    CALL GetWorker_countbyDepartment('IT',@workernumber);
97       -- Retrieving the OUT parameter
98 •    select @workernumber as IT_Department;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

	IT_Department
▶	3

5. Write a stored procedure that takes in an IN parameter for DEPARTMENT and an OUT parameter for p_avgSalary.

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