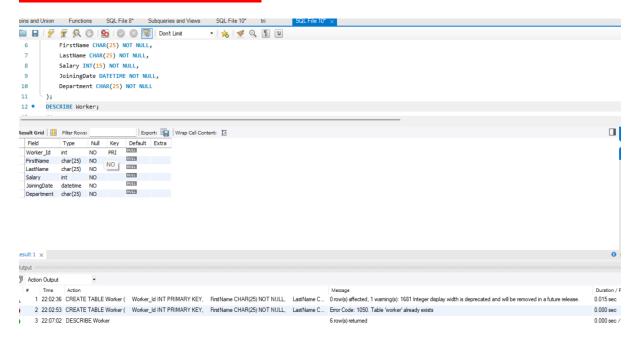
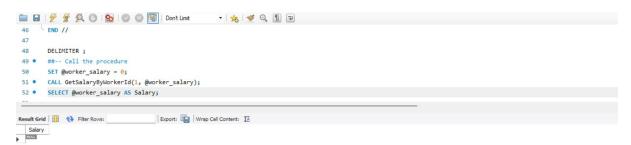
STORED PROCEDURES



2.





3.

```
oins and Union Functions SQL File 8* Subqueries and Views SQL File 10* tri SQL File 10* x
🚞 🖫 | 🐓 💯 👰 🔘 | 💁 | 💿 🔘 🔞 Don't Limit 🕝 🙀 🝳 🕦 🖃
 52 • SELECT @worker_salary AS Salary;
 53
               ocedure to Update Worker Department
 55
        DELIMITER //
 56
 58
            IN WorkerId INT.
 59
            IN Department CHAR(25)
 60
 61
      ⊖ BEGIN
 63
             SET Department = in_Department
             WHERE Worker_Id = in_WorkerId;
 65
 66
         DELIMITER ;
 68 •
          -- Call the procedure
Output ....
Action Output
    11 22:20:26 CALL AddWorker(1, 'John', 'Doe', 60000, '2023-01-15 09:00:00', 'Engineering')
                                                                                                      Error Code: 1054. Unknown column 'Workerld' in 'field list'
                                                                                                                                                                                           0.000 sec
12 22:28:29 CREATE PROCEDURE Get Salary By Workerld ( IN p_Workerld INT, OUT p_Salary INT ) BEGIN SELEC... 0 row(s) affected
                                                                                                                                                                                           0.015 sec
    13 22:29:30 SELECT @worker_salary AS Salary
                                                                                                                                                                                           0.000 sec / 0.000 sec
                                                                                                      1 row(s) returned
  14 22:31:12 CREATE PROCEDURE UpdateWorkerDepartment( IN Workerld INT, IN Department CHAR(25)) BEGIN ... 0 row(s) affected
                                                                                                                                                                                           0.000 sec
15 22:38:14 CALL UpdateWorkerDepartment(1, Marketing) Emor Code: 1054, Unknown column in_Workerld in 'where clause'
16 22:40:18 CREATE PROCEDURE UpdateWorkerDepartment( IN Workerld INT, IN Department CHAR(25)) BEGIN ... Emor Code: 1304, PROCEDURE UpdateWorkerDepartment already exists
                                                                                                                                                                                           0.000 sec
                                                                                                                                                                                           0.000 sec
```

<u>4.</u>

```
] 🔚 | 🌮 💯 👰 🔘 | 🚳 | 📀 🔞 🔞 | Don't Limit 🔻 埃 | 🥩 🔍 🐧 🖫
      -- Call the procedure
      SET @worker count = 0;
7 •
     CALL GetWorkerCountByDepartment('Engineering', @worker_count);
      SELECT @worker_count AS WorkerCount;
       ##Procedure to Get Average Salary by Department
      DELIMITER $$
3 • 

→ CREATE PROCEDURE GetAverageSalaryByDepartment(
4
          IN p_Department CHAR(25),
5
          OUT p_AvgSalary DECIMAL(10, 2)
6

→ BEGIN

          SELECT AVG(Salary) INTO p_AvgSalary
8
         FROM Worker
0
          WHERE Department = p_Department;
     END $$
      DELIMITER;
put :
 Action Output
14 22:31:12 CREATE PROCEDURE UpdateWorkerDepartment( IN Workerld INT, IN Department CHAR(25)) BEGIN ... 0 row(s) affected
  15 22:38:14 CALL UpdateWorkerDepartment(1, 'Marketing')
                                                                                                  Error Code: 1054. Unknown column in Workerld in where clause
 16 22:40:18 CREATE PROCEDURE Update WorkerDepartment ( IN Workerld INT, IN Department CHAR(25) ) BEGIN ... Error Code: 1304. PROCEDURE Update WorkerDepartment already exists
  17 22:43:06 CREATE PROCEDURE GetWorkerCountByDepartment( IN Department CHAR(25), OUT WorkerCount INT... 0 row(s) affected
18 22:43:10 SELECT @worker_count AS WorkerCount
  19 22:47:58 CREATE PROCEDURE GetAverageSalaryByDepartment( IN p_Department CHAR(25), OUT p_AvgSalary ... 0 row(s) affected
```

```
🚞 🔚 | 🏏 🏂 👰 🕛 | 🔂 | 🐷 🔞 | 👸 | | Don't Limit
                                                                                                                                                             - 🛵 🥩 🔍 🗓 🖃
                   -- Call the procedure
 86
                     SET @worker_count = 0;
                  CALL GetWorkerCountByDepartment('Engineering', @worker_count);
                   SELECT @worker_count AS WorkerCount;
                     ##Procedure to Get Average Salary by Department
 91
                     DELIMITER $$
 92
 93 • 

○ CREATE PROCEDURE GetAverageSalaryByDepartment(
 94
                             IN Department CHAR(25),
                              OUT AvgSalary DECIMAL(10, 2)
 95
                ( ا
 96
 97 ⊝ BEGIN
 98
                              SELECT AVG(Salary) INTO AvgSalary
 99
                             FROM Worker
                           WHERE Department = Department;
100
101
                 END $$
L02
L03
                      DELIMITER;
104
105
utput
Action Output
              Time
                                     Action
                                                                                                                                                                                                                                                               Message
14 22:31:12 CREATE PROCEDURE UpdateWorkerDepartment( IN Workerld INT, IN Department CHAR(25)) BEGIN ... 0 row(s) affected
       15 22:38:14 CALL UpdateWorkerDepartment(1, 'Marketing')
                                                                                                                                                                                                                                                             Error Code: 1054. Unknown column 'in
        16 22:40:18 CREATE PROCEDURE UpdateWorkerDepartment( IN WorkerId INT, IN Department CHAR(25)) BEGIN ... Error Code: 1304. PROCEDURE UpdateWorkerDepartment( IN WorkerId INT, IN Department CHAR(25)) BEGIN ... Error Code: 1304. PROCEDURE UpdateWorkerDepartment( IN WorkerId INT, IN Department CHAR(25)) BEGIN ... Error Code: 1304. PROCEDURE UpdateWorkerDepartment( IN WorkerId INT) IN Department CHAR(25)) BEGIN ... Error Code: 1304. PROCEDURE UpdateWorkerDepartment( IN WorkerId INT) IN Department CHAR(25)) BEGIN ... Error Code: 1304. PROCEDURE UpdateWorkerDepartment( IN WorkerId INT) IN Department CHAR(25)) BEGIN ... Error Code: 1304. PROCEDURE UpdateWorkerDepartment( IN WorkerId INT) IN Department CHAR(25)) BEGIN ... Error Code: 1304. PROCEDURE UpdateWorkerDepartment( IN WorkerId INT) IN Department CHAR(25)) BEGIN ... Error Code: 1304. PROCEDURE UpdateWorkerDepartment( IN WorkerId INT) IN Department CHAR(25) BEGIN ... Error Code: 1304. PROCEDURE UpdateWorkerDepartment( IN WorkerId INT) IN Department CHAR(25) BEGIN ... Error Code: 1304. PROCEDURE UpdateWorkerDepartment CHAR(25) BEGIN ... Error Code: 1304. PROCEDURE UpdateWor
         17 22:43:06 CREATE PROCEDURE GetWorkerCountByDepartment( IN Department CHAR(25), OUT WorkerCount INT... 0 row(s) affected
        18 22:43:10 SELECT @worker_count AS WorkerCount
                                                                                                                                                                                                                                                             1 row(s) returned
         19 22:47:58 CREATE PROCEDURE GetAverageSalaryByDepartment( IN p_Department CHAR(25), OUT p_AvgSalary ... 0 row(s) affected
```

SUMMARY

This project implements a simple Worker Management System using SQL. It includes the creation of a Worker table and several stored procedures to manage worker records, including adding workers, retrieving salaries, updating departments, counting workers in a department, and calculating average salaries.