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

```
20
21 •  select*from worker;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

Worker_Id	FirstName	LastName	Salary	JoiningDate	Department
1	Ashly	Thomas	50000	2024-01-15 00:00:00	HR
2	Jibin	Jpy	60000	2024-03-23 00:00:00	Finance
3	Goshal	Jay	55000	2023-06-10 00:00:00	IT
4	Richu	Zach	62000	2023-12-05 00:00:00	Marketing
5	Mebin	Joby	58000	2024-05-20 00:00:00	HR
6	Jonhy	John	63000	2023-04-18 00:00:00	Finance
7	Gopika	Anil	48000	2024-11-25 00:00:00	IT
8	George	Mamen	67000	2023-07-14 00:00:00	Marketing
9	Justin	Jose	54000	2024-02-10 00:00:00	HR
10	Mariya	Sam	62000	2023-09-29 00:00:00	Finance
NULL	NULL	NULL	NULL	NULL	NULL

1. Create a stored procedure that takes in IN parameters for all the columns in the Worker table and adds a new record to the table and then invokes the procedure call.

```
32  BEGIN
33      INSERT INTO worker (worker_id, firstname, lastname, salary, joiningdate, department)
34      VALUES (p_worker_id, p_firstname, p_lastname, p_salary, p_joiningdate, p_department);
35  END //
36  DELIMITER ;
37
38
39 •  CALL add_worker(11, 'Alex', 'Khan', 65000, '2024-10-01', 'Marketing');
40
41 •  SELECT*FROM worker;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

Worker_Id	FirstName	LastName	Salary	JoiningDate	Department
1	Ashly	Thomas	50000	2024-01-15 00:00:00	HR
2	Jibin	Jpy	60000	2024-03-23 00:00:00	Finance
3	Goshal	Jay	55000	2023-06-10 00:00:00	IT
4	Richu	Zach	62000	2023-12-05 00:00:00	Marketing
5	Mebin	Joby	58000	2024-05-20 00:00:00	HR
6	Jonhy	John	63000	2023-04-18 00:00:00	Finance
7	Gopika	Anil	48000	2024-11-25 00:00:00	IT
8	George	Mamen	67000	2023-07-14 00:00:00	Marketing
9	Justin	Jose	54000	2024-02-10 00:00:00	HR
10	Mariya	Sam	62000	2023-09-29 00:00:00	Finance
11	Alex	Khan	65000	2024-10-01 00:00:00	Marketing
NULL	NULL	NULL	NULL	NULL	NULL

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

```
55 •  CALL update_department(2, 'Legal');
56
57 •  SELECT*FROM worker;
58
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Conten

Worker_Id	FirstName	LastName	Salary	JoiningDate	Department
1	Ashly	Thomas	50000	2024-01-15 00:00:00	HR
2	Jibin	Jpy	60000	2024-03-23 00:00:00	Legal
3	Goshal	Jay	55000	2023-06-10 00:00:00	IT
4	Richu	Zach	62000	2023-12-05 00:00:00	Marketing
5	Mebin	Joby	58000	2024-05-20 00:00:00	HR
6	Jonhy	John	63000	2023-04-18 00:00:00	Finance
7	Gopika	Anil	48000	2024-11-25 00:00:00	IT
8	George	Mamen	67000	2023-07-14 00:00:00	Marketing
9	Justin	Jose	54000	2024-02-10 00:00:00	HR
10	Mariya	Sam	62000	2023-09-29 00:00:00	Finance
11	Alex	Khan	65000	2024-10-01 00:00:00	Marketing
NULL	NULL	NULL	NULL	NULL	NULL

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.

```
63          IN p_department CHAR(25),
64          OUT p_workerCount INT)
65      BEGIN
66          SELECT COUNT(*) INTO p_workerCount
67          FROM worker
68          WHERE Department = p_department;
69      END //
70      DELIMITER ;
71
72      SET @worker_count = 0;
```

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

WorkerCountInLegal
1

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.

```
79  CREATE PROCEDURE get_avg_salary_by_department(
80          IN p_department CHAR(25),
81          OUT p_avgSalary DECIMAL(10, 2))
82  BEGIN
83          SELECT AVG(Salary) INTO p_avgSalary
84          FROM worker
85          WHERE Department = p_department;
86  END //
87
88      DELIMITER ;
```

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

AverageSalaryInLegal
60000.00