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

CREATE TABLE Worker (

Worker\_Id INT PRIMARY KEY,

FirstName CHAR(25),

LastName CHAR(25),

Salary INT(15),

JoiningDate DATETIME,

Department CHAR(25)

);

INSERT INTO Worker (Worker\_Id, FirstName, LastName, Salary, JoiningDate, Department) VALUES

(1, 'John', 'Doe', 60000, '2023-01-15 09:30:00', 'HR'),

(2, 'Jane', 'Smith', 75000, '2023-02-20 10:00:00', 'Finance'),

(3, 'Robert', 'Johnson', 80000, '2023-03-10 11:15:00', 'IT'),

(4, 'Michael', 'Brown', 65000, '2023-04-05 08:45:00', 'Marketing'),

(5, 'Emily', 'Davis', 70000, '2023-05-12 14:30:00', 'HR'),

(6, 'David', 'Miller', 72000, '2023-06-18 16:20:00', 'Finance'),

(7, 'Jessica', 'Wilson', 85000, '2023-07-22 12:00:00', 'IT'),

(8, 'Daniel', 'Moore', 78000, '2023-08-15 09:50:00', 'Operations'),

(9, 'Laura', 'Taylor', 73000, '2023-09-30 10:40:00', 'HR'),

(10, 'James', 'Anderson', 90000, '2023-10-25 11:55:00', 'Finance');

select \* from Worker;

/\*

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.**\*/

delimiter $$

create procedure add\_record(in \_Id INT ,in \_FirstName CHAR(25),in \_LastName CHAR(25),in \_Salary INT(15),in \_JoiningDate DATETIME,in \_Department CHAR(25))

begin

INSERT INTO Worker (Worker\_Id, FirstName, LastName, Salary, JoiningDate, Department) VALUES( \_Id, \_FirstName, \_LastName, \_Salary, \_JoiningDate, \_Department);

END $$

DELIMITER ;

call add\_record(101, 'John', 'Doe', 70000, '2024-01-10 09:00:00', 'HR');

select \* from Worker;



/\* **2. Write stored procedure takes in an IN parameter for WORKER\_ID and an OUT parameter for SALARY. 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.** \*/

delimiter $$

create procedure find\_salary(in \_id INT,out \_salary INT(15))

BEGIN

select Salary into \_salary from Worker where Worker\_Id = \_id;

END $$

delimiter ;

set @sal=0;

call find\_salary(5,@sal);

select @sal as Salary\_of\_Worker;



/\*

**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.\***/

delimiter $$

create procedure update\_worker(in \_id int, in \_department char(25))

begin

update Worker set Department = \_department where Worker\_Id= \_id;

end $$

delimiter ;

call update\_worker(101,'Operations');

select Worker\_Id,Department from Worker;



/\***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.** \*/

delimiter $$

create procedure worker\_count(in \_department char(25),out p\_workercount int)

begin

select count(\*) into p\_workercount from Worker where Department = \_department;

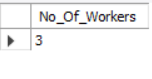
end $$

delimiter ;

set @workercount = 0;

call Worker\_count('HR',@workercount);

select @workercount as No\_Of\_Workers;



**/\*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.\*/**

delimiter $$

create procedure Average\_Salary(in \_department char(25),out p\_avgsalary double)

begin

select avg(Salary) into p\_avgsalary from Worker where Department = \_department;

end $$

delimiter ;

set @avgsal=0;

call Average\_Salary('HR',@avgsal);

select @avgsal as Average\_Salary\_Of\_Workers;

