

PLSQL ANSWERS

FOR TABLE AND CREATION

```
CREATE DATABASE COLLEGE;
```

```
USE COLLEGE;
```

```
CREATE TABLE Department(  
    departmentID INT PRIMARY KEY,  
    departmentName VARCHAR(100),  
    count INT  
);
```

```
CREATE TABLE Employee(  
    employeeID INT PRIMARY KEY,  
    employeeName VARCHAR(100),  
    salary DECIMAL(10,2),  
    location VARCHAR(100),  
    departmentId INT,  
    DOJ DATE,  
    FOREIGN KEY(departmentID) REFERENCES Department(departmentID)  
);
```

```
select * FROM department;
```

```
INSERT INTO Department(departmentID,departmentName,count)
```

```
VALUES
```

```
(1, 'Human Resources', 10),
```

```
(2, 'Finance', 5),
```

```
(3, 'IT', 15),
```

```
(4, 'Marketing', 7),
```

```
(5, 'Sales', 12);
```

```
Select * FROM Employee;
```

```
INSERT INTO Employee (employeeId, employeeName, salary, location, departmentId, DOJ)
```

```
VALUES
```

```
(101, 'John Doe', 55000.00, 'New York', 1, '2018-01-15'),
```

(102, 'Jane Smith', 65000.00, 'Los Angeles', 2, '2017-03-25'),
(103, 'Michael Johnson', 75000.00, 'Chicago', 3, '2019-06-10'),
(104, 'Emily Davis', 82000.00, 'San Francisco', 4, '2020-08-05'),
(105, 'David Brown', 48000.00, 'Miami', 5, '2021-07-19'),
(106, 'Olivia Wilson', 60000.00, 'Boston', 1, '2016-11-20'),
(107, 'Daniel Lee', 70000.00, 'Seattle', 2, '2017-12-30'),
(108, 'Sophia White', 91000.00, 'Austin', 3, '2019-02-25'),
(109, 'James Harris', 54000.00, 'Dallas', 4, '2021-09-12'),
(110, 'Isabella Clark', 67000.00, 'Denver', 5, '2018-05-22'),
(111, 'Ethan Lewis', 80000.00, 'Orlando', 1, '2015-01-18'),
(112, 'Mia Walker', 72000.00, 'San Diego', 2, '2020-03-16'),
(113, 'Benjamin Scott', 90000.00, 'Phoenix', 3, '2018-10-09'),
(114, 'Charlotte Hall', 85000.00, 'Washington, D.C.', 4, '2022-06-01'),
(115, 'Amelia Allen', 78000.00, 'San Jose', 5, '2017-04-10');

SELECT

Employee.employeeId,
Employee.employeeName,
Employee.salary,
Employee.location,
Employee.departmentId,
Employee.DOJ

FROM

Employee

INNER JOIN

Department

ON

Employee.departmentId = Department.departmentId;

1) Create a Stored Procedure that takes employee id as IN parameter and updated salary as OUT parameter.

Then update the salary of the employee

DELIMITER \$\$

CREATE PROCEDURE UpdateEmployeeSalary(

IN empld INT,

IN newSalary DECIMAL(10,2),

OUT updatedSalary DECIMAL(10,2)

)

BEGIN

UPDATE Employee

SET salary = newSalary

WHERE employeeId = empld;

SELECT salary INTO updatedSalary

FROM Employee

WHERE employeeId = empld;

END \$\$

DELIMITER ;

SET @newSalary = 75000.00; -- Example new salary

SET @empld = 101; -- Example employeeId

-- Call the stored procedure

```
CALL UpdateEmployeeSalary(@empld, @newSalary, @updatedSalary);
```

```
-- Retrieve the output parameter (updated salary)
```

```
SELECT @updatedSalary AS UpdatedSalary;
```

2) Create a function that takes location as an argument and Display the details of all employees in the specified location.