

DBMS Assignment - Example 3

Step 1: Create New Tables with Updated Data and New Names

1. Create the 'Employees' table:

```
CREATE TABLE Employees (  
    EmpID INT,  
    EmpName VARCHAR(50),  
    Location VARCHAR(50)  
);
```

2. Insert Data into 'Employees' Table:

```
INSERT INTO Employees (EmpID, EmpName, Location) VALUES  
(1, 'Amit', 'Mumbai'),  
(2, 'Ravi', 'Chennai'),  
(3, 'Nina', 'Pune'),  
(4, 'Kiran', 'Hyderabad'),  
(5, 'Sanya', 'Bangalore');
```

3. Create the 'Employee_Performance' table:

```
CREATE TABLE Employee_Performance (  
    EmpID INT,
```

```
EmpName VARCHAR(50),  
PerformanceScore INT,  
Age INT  
);
```

4. Insert Data into 'Employee_Performance' Table:

```
INSERT INTO Employee_Performance (EmpID, EmpName, PerformanceScore, Age) VALUES  
(1, 'Amit', 85, 20),  
(2, 'Ravi', 70, 22),  
(3, 'Nina', 95, 19),  
(4, 'Kiran', 88, 21),  
(5, 'Sanya', 92, 18);
```

Step 2: Create Views for the New Data

1. Create a View 'EmployeeDetails' to show names and locations of employees with EmpID less than 5:

```
CREATE VIEW EmployeeDetails AS  
SELECT EmpName, Location FROM Employees  
WHERE EmpID < 5;
```

2. Create a View 'EmployeePerformance' to join Employees and Employee_Performance tables on EmpName:

```
CREATE VIEW EmployeePerformance AS

SELECT EP.EmpID, E.EmpName, E.Location, EP.PerformanceScore

FROM Employees E, Employee_Performance EP

WHERE E.EmpName = EP.EmpName;
```

Step 3: Query the Views

1. Query the 'EmployeeDetails' View:

```
SELECT * FROM EmployeeDetails;
```

2. Query the 'EmployeePerformance' View:

```
SELECT * FROM EmployeePerformance;
```

Result:

EmployeeDetails:

```
+-----+-----+
| EmpName | Location |
+-----+-----+
| Amit   | Mumbai  |
| Ravi   | Chennai |
| Nina   | Pune    |
| Kiran  | Hyderabad|
+-----+-----+
```

EmployeePerformance:

+-----+-----+-----+-----+-----+				
EmpID	EmpName	Location	PerformanceScore	
+-----+-----+-----+-----+-----+				
1	Amit	Mumbai	85	
2	Ravi	Chennai	70	
3	Nina	Pune	95	
4	Kiran	Hyderabad	88	
5	Sanya	Bangalore	92	
+-----+-----+-----+-----+-----+				