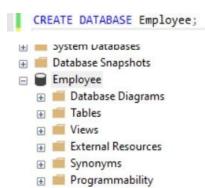


.NET Assignment 2 - SQL Assignment

Table 1: t_Employee

EmployeeId	EmpName	Age
1	Hiten	27
2	Ravi	23
3	Kaushik	26
4	Suresh	20
5	Ramesh	25

Id	Empld (Foreign key)	MonthName	Salary
1	1	Jan	15000
2	1	Feb	16000
3	1	Mar	14000
4	2	Jan	10000
5	2	Mar	12000
6	3	Feb	13000
7	4	Jan	18000
8	4	Feb	17500
9	5	Jan	20000
10	5	Feb	19750
11	5	Mar	20250





(01CT1518)

Subject:
.NET Technologies

Marwadi University

Faculty of Engineering and Technology

Department of Information and Communication Technology

Name: Shashank Bagda

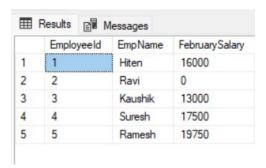
Enrolment No: 92100133020

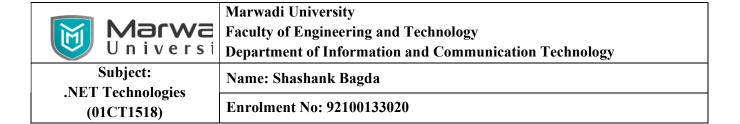
```
--CREATE DATABASE
USE Employee;
--CREATE DATABASE Employee;
--CREATE TABLE t_Employee (
    EmployeeId INT PRIMARY KEY,
    EmpName NVARCHAR(50),
    Age INT
);

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Messages
Commands completed successfully.
```

1. Write a SQL query which returns salary of February month for all employees and if employee's salary is not available then it should be 0.

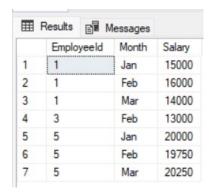
```
SELECT e.EmployeeId, e.EmpName, ISNULL(s.Salary, 0) AS FebruarySalary
FROM t_Employee e
LEFT JOIN t_Salary s ON e.EmployeeId = s.EmpId AND s.MonthName = 'Feb';
```





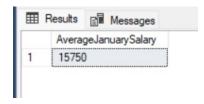
2. Write a SQL query which returns Employeeld, Month, Salary whose Age is >= 25.

```
SELECT s.EmpId AS EmployeeId, s.MonthName AS Month, s.Salary
FROM t_Salary s
JOIN t_Employee e ON s.EmpId = e.EmployeeId
WHERE e.Age >= 25;
```



3. Write a SQL query which returns Average salary of Jan month.

```
SELECT AVG(Salary) AS AverageJanuarySalary
FROM t_Salary
WHERE MonthName = 'Jan';
```



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4. Write a Stored procedure which returns all employee's details EmployeeName, Month, Salary with Grouping of Employeename.

```
CREATE PROCEDURE GetEmployeeDetails

AS

BEGIN

SELECT e.EmpName, s.MonthName, s.Salary

FROM t_Employee e

LEFT JOIN t_Salary s ON e.EmployeeId = s.EmpId;

END;

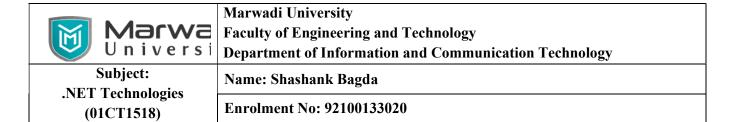
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5. Write a Stored procedure to return employeewise Salary if EmployeeId is provided otherwise all employee's salary for particular month which is to be passed as parameter as well.

```
CREATE PROCEDURE GetEmployeeSalary
    @EmployeeId INT = NULL,
    @MonthName NVARCHAR(3) = NULL
AS
BEGIN
    IF @EmployeeId IS NOT NULL
    BEGIN
        SELECT e.EmpName, s.MonthName, s.Salary
        FROM t Employee e
        JOIN t Salary s ON e.EmployeeId = s.EmpId
        WHERE e.EmployeeId = @EmployeeId;
    END
    ELSE IF @MonthName IS NOT NULL
    BEGIN
        SELECT e. EmpName, s. MonthName, s. Salary
        FROM t Employee e
        LEFT JOIN t Salary s ON e.EmployeeId = s.EmpId AND s.MonthName =
@MonthName;
    END
    ELSE
    BEGIN
        RAISEERROR('Please provide either EmployeeId or MonthName parameter.',
16, 1);
    END;
END;
```



6. Write a trigger for Employee salary deletion to track details when and who deleted salaryNote: For tracking details need to create Audit table for Salary table.

```
CREATE TABLE SalaryAudit (
    EmployeeId INT, DeletedBy
    NVARCHAR(255),DeletionDate
    DATETIME
);

CREATE TRIGGER DeleteSalaryAuditTriggerON
t_Salary
AFTER DELETEAS
BEGIN
    INSERT INTO SalaryAudit (EmployeeId, DeletedBy, DeletionDate)
    SELECT d.EmpId, SUSER_SNAME(), GETDATE()
    FROM deleted d;
END;
```