

14-Sep-2021

Topic 2 (2)

SQL - QUERIES

1) Create Table Employee (First Name , Last Name , Title , Age , Salary)

(auto , 200 , 250 , annual)

CREATE TABLE Employee (

ID INT ,

First Name VARCHAR (50) ,

Last Name VARCHAR (50) ,

Title VARCHAR (150) ,

Age INT ,

Salary MONEY ,

PRIMARY KEY (ID)

);

2) Insert

INSERT INTO Employee (ID, First-Name, Last-Name, Title, Age, Salary)

VALUES (101, 'Anika', 'James', 'Secretary', 55, 99500.00),
(102, 'Peter', 'Johnson', 'Programmer', 32, 45300.00),
(103, 'Paul', 'Ericsson', 'Programmer', 45, 75020.00),
(104, 'Ashwini', 'Vasanth', 'Assistant Secretary', 28, 195000.00),
(105, 'Hari', 'Haran', 'Programmer', 22, 10000.00),
(106, 'Saravana', 'Kumar', 'Programmer', 22, 12000.00),
(107, 'Raj', 'Kannan', 'Secretary', 32, 15000.00),

(108, 'Gopal', 'Kishan', 'Assistant
Secretary', 40, 35,000.00),

(109, 'Raj', 'Kumar', 'Assistant
Secretary', 40, 32,000.00);

3) SELECT STATEMENTS:

i) SELECT * FROM Employee

WHERE Salary < 50,000;

ii) SELECT (First_Name + ' ' + Last_Name) AS
Full_Name FROM Employee
WHERE Age > 30;

iii) SELECT First_Name, Last_Name, Salary
FROM Employee
WHERE Title = 'Secretary';

v) SELECT * FROM Employee
WHERE Last_Name LIKE '%. son'.

vi) SELECT (First_Name + ' ' + Last_Name) AS Full_Name
FROM Employee
WHERE First_Name = 'Brian'.

vii) SELECT * FROM Employee

WHERE Age > 50;

4) UPDATE & SELECT

i) UPDATE Employee

SET Last_Name = 'Williams'

WHERE First_Name = 'Ashwini'

SELECT * FROM Employee

WHERE First_Name = 'Ashwini'

i) UPDATE Employee

SET Last_Name = 'Williams'

WHERE First_Name = 'Ashwini';

SELECT * FROM Employee

WHERE First_Name = 'Ashwini';

ii)

UPDATE Employee

SET Age = Age + 1

WHERE First_Name = 'Paul'

SELECT * FROM Employee

WHERE First_Name = 'Paul';

iii)

DECLARE @~~Title~~ NVARCHAR(150)
@~~Title~~ = 'Secretary'

UPDATE Employee

SET Title = Admin Assistant

WHERE Title = @Title

SELECT * FROM Employee

WHERE Title = @Title ;

iv) DECLARE @CurrentSalary AS MONEY = 4000
@Raise AS MONEY = 500 / 12,
SET @CompSalary AS MONEY
SET @CompSalary = @CurrentSalary + @Raise
UPDATE Employee
SET Salary = Salary + @Raise

WHERE Salary < @CurrentSalary

SELECT * FROM Employee

WHERE Salary < @CompSalary;

v) DECLARE @CurrentSalary AS MONEY = 7500
@Raise AS MONEY = 4500 / 12

UPDATE Employee

SET Salary = Salary + @Raise

WHERE Salary > @CurrentSalary

SELECT * FROM Employee

WHERE Salary > @CurrentSalary;

vi) DECLARE @ExistingTitle AS VARCHAR(150)
= 'Programmer II'
@NewTitle AS VARCHAR(150)
= 'Programmer III'

UPDATE Employee
SET Title = @NewTitle
WHERE Title = @ExistingTitle
SELECT * FROM Employee
WHERE Title = @NewTitle

vii) DECLARE @ExistingTitle AS VARCHAR(150)
= 'Programmer'
@NewTitle AS VARCHAR(150) = 'Programmer II'
UPDATE Employee
SET Title = @NewTitle
WHERE Title = @ExistingTitle
SELECT * FROM Employee
WHERE Title = @NewTitle

5) DELETE FROM Employee
WHERE First_Name = 'Ashwini';

6) DELETE FROM Employee
WHERE Salary > 70000;