Week 4 – Operators and Expressions

Observation (5)

1. What is an Operator in SQL? List the types.

2. Explain Arithmetic Operators?

3. What are Comparison Operators?

4. Brief Logical Operators?

5. Explain SQL Expression? List and brief its types.

6. Write any one example for each expression by negating conditions using operators?

(Note: Tabulate the operators for Questions 2, 3, 4 in the following format)

Operator	Description	Example

Execution (15)

Execute all the operators given in the observation including pattern matching operators in any one of the tables already created in the Hospital Management system Database.

Spot (5)

Pre-Requisite Data:

emp_id	emp_name	job_name	manager_id	Join_date	salary	commission	dep_id
8319	KAYLING	PRESIDENT	683120	1991-11-18	6000.00		1001
66928	BLAZE	MANAGER	683120	1991-05-01	2750.00		3001
67832	CLARE	MANAGER	68319	1991-06-09	2550.00	900.00	1001
65646	SCARLET	ANALYST	65646	1997-04-19	3100.00		2001
67858	FRANK	ANALYST	65646	1991-12-03	3100.00		2001
69062	SANDRINE	CLERK	69062	1990-12-18	900.00		2001
63679	ADELYN	SALESMAN	66928	1991-02-20	1700.00	400.00	3001
64989	WADE	SALESMAN	66928	1991-02-22	1350.00	600.00	3001
65271	MADDEN	SALESMAN	66928	1991-09-28	1350.00	1500.00	3001
66564	TUCKER	SALESMAN	66928	1991-09-08	1600.00	0.00	3001
68454	ADNRES	CLERK	67858	1997-05-23	1200.00		2001
68736	JULIUS	CLERK	66928	1991-12-03	1050.00	300.00	3001
69000	MARKER	CLERK	67832	1992-01-23	1400.00		1001

Create a table "Employees" and Insert records as given in the Pre-Requisite Data

Write a query

1. To list the employees name starting with "A".

2. To list the employees with joined after 1991-09-08.

3. To list the employees ID whose Salary is greater than 600 and lesser than 1350.

4. To list the employees who have joined in the year 1991

5. To increase the salary of all employees by 500.

6. To list all the employees name which ends with "s".

7. To list the employees who joined in the month of APRIL.

8. To list the employees whose name starts with "c" and ends with "e".

9. To list the employees those whose salary is between 1050 and 2750.

10. To list the employees of department id 3001 or 1001 joined in the year 1991.

11. To list all the employee id who gets commission.