CREATE DATABASE BESANTSQL;

USE BESANTSQL;

CREATE TABLE employees (

employee\_id INT,

first\_name VARCHAR(50),

last\_name VARCHAR(50),

email VARCHAR(50),

phone\_number VARCHAR(20),

hire\_date DATE,

job\_id VARCHAR(20),

salary DECIMAL(10, 2),

commission\_pct DECIMAL(5, 2),

manager\_id INT,

department\_id INT

);

INSERT INTO employees (

employee\_id, first\_name, last\_name, email,

phone\_number, hire\_date, job\_id,

salary, commission\_pct, manager\_id, department\_id

) VALUES

(100, 'Steven', 'King', 'SKING', '515.123.4567', '2003-06-17', 'AD\_PRES', 24000, NULL, NULL, 90),

(101, 'Neena', 'Kochhar', 'NKOCHHAR', '515.123.4568', '2005-09-21', 'AD\_VP', 17000, NULL, 100, 90),

(102, 'Lex', 'De Haan', 'LDEHAAN', '515.123.4569', '2001-01-13', 'AD\_VP', 17000, NULL, 100, 90),

(103, 'Alexander', 'Hunold', 'AHUNOLD', '590.423.4567', '2006-01-03', 'IT\_PROG', 9000, NULL, 102, 60),

(104, 'Bruce', 'Ernst', 'BERNST', '590.423.4568', '2007-05-21', 'IT\_PROG', 6000, NULL, 103, 60),

(105, 'David', 'Austin', 'DAUSTIN', '590.423.4569', '2005-06-25', 'IT\_PROG', 4800, NULL, 103, 60),

(106, 'Valli', 'Pataballa', 'VPATABAL', '590.423.4560', '2006-02-05', 'IT\_PROG', 4800, NULL, 103, 60),

(107, 'Diana', 'Lorentz', 'DLORENTZ', '590.423.5567', '2007-02-07', 'IT\_PROG', 4200, NULL, 103, 60),

(108, 'Nancy', 'Greenberg', 'NGREENBE', '515.124.4569', '2002-08-17', 'FI\_MGR', 12008, NULL, 101, 100),

(109, 'Daniel', 'Faviet', 'DFAVIET', '515.124.4169', '2002-08-16', 'FI\_ACCOUNT', 9000, NULL, 108, 100),

(110, 'John', 'Chen', 'JCHEN', '515.124.4269', '2005-09-28', 'FI\_ACCOUNT', 8200, NULL, 108, 100),

(111, 'Ismael', 'Sciarra', 'ISCIARRA', '515.124.4369', '2005-09-30', 'FI\_ACCOUNT', 7700, NULL, 108, 100),

(112, 'Jose Manuel', 'Urman', 'JMURMAN', '515.124.4469', '2006-03-07', 'FI\_ACCOUNT', 7800, NULL, 108, 100),

(113, 'Luis', 'Popp', 'LPOPP', '515.124.4567', '2007-12-07', 'FI\_ACCOUNT', 6900, NULL, 108, 100),

(114, 'anu', 'Raphaely', 'DRAPHEAL', '515.127.4561', '2002-12-07', 'PU\_MAN', 11000, NULL, 100, 30),

(115, 'anu', 'Khoo', 'AKHOO', '515.127.4562', '2003-05-18', 'PU\_CLERK', 3100, NULL, 114, 30),

(116, 'anu', 'Baida', 'SBAIDA', '515.127.4563', '2005-12-24', 'PU\_CLERK', 2900, NULL, 114, 30),

(117, 'anu', 'Tobias', 'STOBIAS', '515.127.4564', '2005-07-24', 'PU\_CLERK', 2800, NULL, 114, 30),

(118, 'anu', 'Himuro', 'GHIMURO', '515.127.4565', '2006-11-15', 'PU\_CLERK', 2600, NULL, 114, 30),

(119, 'anu', 'Colmenares', 'KCOLMENA', '515.127.4566', '2007-08-10', 'PU\_CLERK', 2500, NULL, 114, 30),

(120, 'Matthew', 'Weiss', 'MWEISS', '650.123.1234', '2004-07-18', 'ST\_MAN', 8000, NULL, 100, 50),

(121, 'Adam', 'Fripp', 'AFRIPP', '650.123.2234', '2005-04-10', 'ST\_MAN', 8200, NULL, 100, 50),

(122, 'Payam', 'Kaufling', 'PKAUFLIN', '650.123.3234', '2003-05-01', 'ST\_MAN', 7900, NULL, 100, 50),

(123, 'Shanta', 'Vollman', 'SVOLLMAN', '650.123.4234', '2005-10-10', 'ST\_MAN', 6500, NULL, 100, 50),

(124, 'Kevin', 'Mourgos', 'KMOURGOS', '650.123.5234', '2007-11-16', 'ST\_MAN', 5800, NULL, 100, 50),

(125, 'Julia', 'Nayer', 'JNAYER', '650.124.1214', '2005-07-16', 'ST\_CLERK', 3200, NULL, 120, 50),

(126, 'Irene', 'Mikkilineni', 'IMIKKILI', '650.124.1224', '2006-09-28', 'ST\_CLERK', 2700, NULL, 120, 50),

(127, 'James', 'Landry', 'JLANDRY', '650.124.1334', '2007-01-14', 'ST\_CLERK', 2400, NULL, 120, 50),

(128, 'Steven', 'Markle', 'SMARKLE', '650.124.1434', '2008-03-08', 'ST\_CLERK', 2200, NULL, 120, 50),

(129, 'Laura', 'Bissot', 'LBISSOT', '650.124.5234', '2005-08-20', 'ST\_CLERK', 3300, NULL, 121, 50)

;

INSERT INTO employees (

employee\_id, first\_name, last\_name, email, phone\_number, hire\_date, job\_id,

salary, commission\_pct, manager\_id, department\_id

) VALUES

(130, 'Mozhe', 'Atkinson', 'MATKINSO', '650.124.6234', '2005-10-30', 'ST\_CLERK', 2800, NULL, 121, 50),

(131, 'James', 'Marlow', 'JAMRLOW', '650.124.7234', '2005-02-16', 'ST\_CLERK', 2500, NULL, 121, 50),

(132, 'TJ', 'Olson', 'TJOLSON', '650.124.8234', '2007-04-10', 'ST\_CLERK', 2100, NULL, 121, 50),

(133, 'Jason', 'Mallin', 'JMALLIN', '650.127.1934', '2004-06-14', 'ST\_CLERK', 3300, NULL, 122, 50),

(134, 'Michael', 'Rogers', 'MROGERS', '650.127.1834', '2006-08-26', 'ST\_CLERK', 2900, NULL, 122, 50),

(135, 'Ki', 'Gee', 'KGEE', '650.127.1734', '2007-12-12', 'ST\_CLERK', 2400, NULL, 122, 50),

(136, 'Hazel', 'Philtanker', 'HPHILTAN', '650.127.1634', '2008-02-06', 'ST\_CLERK', 2200, NULL, 122, 50),

(137, 'Renske', 'Ladwig', 'RLADWIG', '650.121.1234', '2003-07-14', 'ST\_CLERK', 3600, NULL, 123, 50),

(138, 'Stephen', 'Stiles', 'SSTILES', '650.121.2034', '2005-10-26', 'ST\_CLERK', 3200, NULL, 123, 50),

(139, 'John', 'Seo', 'JSEO', '650.121.2019', '2006-02-12', 'ST\_CLERK', 2700, NULL, 123, 50),

(140, 'Joshua', 'Patel', 'JPATEL', '650.121.1834', '2006-04-06', 'ST\_CLERK', 2500, NULL, 123, 50),

(141, 'Trenna', 'Rajs', 'TRAJS', '650.121.8009', '2003-10-17', 'ST\_CLERK', 3500, NULL, 124, 50),

(142, 'Curtis', 'Davies', 'CDAVIES', '650.121.2994', '2005-01-29', 'ST\_CLERK', 3100, NULL, 124, 50),

(143, 'Randall', 'Matos', 'RMATOS', '650.121.2874', '2006-03-15', 'ST\_CLERK', 2600, NULL, 124, 50),

(144, 'Peter', 'Vargas', 'PVARGAS', '650.121.2004', '2006-07-09', 'ST\_CLERK', 2500, NULL, 124, 50),

(145, 'John', 'Russell', 'JRUSSEL', '011.44.1344.429268', '2004-10-01', 'SA\_MAN', 14000, 0.4, 100, 80),

(146, 'Karen', 'Partners', 'KPARTNER', '011.44.1344.467268', '2005-01-05', 'SA\_MAN', 13500, 0.3, 100, 80),

(147, 'Alberto', 'Errazuriz', 'AERRAZUR', '011.44.1344.429278', '2005-03-10', 'SA\_MAN', 12000, 0.3, 100, 80),

(148, 'Gerald', 'Cambrault', 'GCAMBRAU', '011.44.1344.619268', '2007-10-15', 'SA\_MAN', 11000, 0.3, 100, 80),

(149, 'Eleni', 'Zlotkey', 'EZLOTKEY', '011.44.1344.429018', '2008-01-29', 'SA\_MAN', 10500, 0.2, 100, 80),

(150, 'Peter', 'Tucker', 'PTUCKER', '011.44.1344.129268', '2005-01-30', 'SA\_REP', 10000, 0.3, 145, 80),

(151, 'David', 'Bernstein', 'DBERNSTE', '011.44.1344.345268', '2005-03-24', 'SA\_REP', 9500, 0.25, 145, 80),

(152, 'Peter', 'Hall', 'PHALL', '011.44.1344.478968', '2005-08-20', 'SA\_REP', 9000, 0.25, 145, 80),

(153, 'Christopher', 'Olsen', 'COLSEN', '011.44.1344.498718', '2006-03-30', 'SA\_REP', 8000, 0.2, 145, 80),

(154, 'Nanette', 'Cambrault', 'NCAMBRAU', '011.44.1344.987668', '2006-12-09', 'SA\_REP', 7500, 0.2, 145, 80),

(155, 'Oliver', 'Tuvault', 'OTUVAULT', '011.44.1344.486508', '2007-11-23', 'SA\_REP', 7000, 0.15, 145, 80),

(156, 'Janette', 'King', 'JKING', '011.44.1345.429268', '2004-01-30', 'SA\_REP', 10000, 0.35, 146, 80),

(157, 'Patrick', 'Sully', 'PSULLY', '011.44.1345.929268', '2004-03-04', 'SA\_REP', 9500, 0.35, 146, 80),

(158, 'Allan', 'McEwen', 'AMCEWEN', '011.44.1345.829268', '2004-08-01', 'SA\_REP', 9000, 0.35, 146, 80),

(159, 'Lindsey', 'Smith', 'LSMITH', '011.44.1345.729268', '2005-03-10', 'SA\_REP', 8000, 0.3, 146, 80),

(160, 'Louise', 'Doran', 'LDORAN', '011.44.1345.629268', '2005-12-15', 'SA\_REP', 7500, 0.3, 146, 80),

(161, 'Sarath', 'Sewall', 'SSEWALL', '011.44.1345.529268', '2006-11-03', 'SA\_REP', 7000, 0.25, 146, 80),

(162, 'Clara', 'Vishney', 'CVISHNEY', '011.44.1346.129268', '2005-11-11', 'SA\_REP', 10500, 0.25, 147, 80),

(163, 'Danielle', 'Greene', 'DGREENE', '011.44.1346.229268', '2007-03-19', 'SA\_REP', 9500, 0.15, 147, 80),

(164, 'Mattea', 'Marvins', 'MMARVINS', '011.44.1346.329268', '2008-01-24', 'SA\_REP', 7200, 0.1, 147, 80),

(165, 'David', 'Lee', 'DLEE', '011.44.1346.529268', '2008-02-23', 'SA\_REP', 6800, 0.1, 147, 80),

(166, 'Sundar', 'Ande', 'SANDE', '011.44.1346.629268', '2008-03-24', 'SA\_REP', 6400, 0.1, 147, 80),

(167, 'Amit', 'Banda', 'ABANDA', '011.44.1346.729268', '2008-04-21', 'SA\_REP', 6200, 0.1, 147, 80),

(168, 'Lisa', 'Ozer', 'LOZER', '011.44.1343.929268', '2005-03-11', 'SA\_REP', 11500, 0.25, 148, 80),

(169, 'Harrison', 'Bloom', 'HBLOOM', '011.44.1343.829268', '2006-03-23', 'SA\_REP', 10000, 0.2, 148, 80),

(170, 'Tayler', 'Fox', 'TFOX', '011.44.1343.729268', '2006-01-24', 'SA\_REP', 9600, 0.2, 148, 80),

(171, 'William', 'Smith', 'WSMITH', '011.44.1343.629268', '2007-02-23', 'SA\_REP', 7400, 0.15, 148, 80),

(172, 'Elizabeth', 'Bates', 'EBATES', '011.44.1343.529268', '2007-03-24', 'SA\_REP', 7300, 0.15, 148, 80),

(173, 'Sundita', 'Kumar', 'SKUMAR', '011.44.1343.329268', '2008-04-21', 'SA\_REP', 6100, 0.1, 148, 80),

(174, 'Ellen', 'Abel', 'EABEL', '011.44.1644.429267', '2004-05-11', 'SA\_REP', 11000, 0.3, 149, 80),

(175, 'Alyssa', 'Hutton', 'AHUTTON', '011.44.1644.429266', '2005-03-19', 'SA\_REP', 8800, 0.25, 149, 80),

(176, 'Jonathon', 'Taylor', 'JTAYLOR', '011.44.1644.429265', '2006-03-24', 'SA\_REP', 8600, 0.2, 149, 80),

(177, 'Jack', 'Livingston', 'JLIVINGS', '011.44.1644.429264', '2006-04-23', 'SA\_REP', 8400, 0.2, 149, 80),

(178, 'Kimberely', 'Grant', 'KGRANT', '011.44.1644.429263', '2007-05-24', 'SA\_REP', 7000, 0.15, 149, NULL),

(179, 'Charles', 'Johnson', 'CJOHNSON', '011.44.1644.429262', '2008-01-04', 'SA\_REP', 6200, 0.1, 149, 80),

(180, 'Winston', 'Taylor', 'WTAYLOR', '650.507.9876', '2006-01-24', 'SH\_CLERK', 3200, NULL, 120, 50),

(181, 'Jean', 'Fleaur', 'JFLEAUR', '650.507.9877', '2006-02-23', 'SH\_CLERK', 3100, NULL, 120, 50),

(182, 'Martha', 'Sullivan', 'MSULLIVA', '650.507.9878', '2007-06-21', 'SH\_CLERK', 2500, NULL, 120, 50),

(183, 'Girard', 'Geoni', 'GGEONI', '650.507.9879', '2008-02-03', 'SH\_CLERK', 2800, NULL, 120, 50),

(184, 'Nandita', 'Sarchand', 'NSARCHAN', '650.509.1876', '2004-01-27', 'SH\_CLERK', 4200, NULL, 121, 50),

(185, 'Alexis', 'Bull', 'ABULL', '650.509.2876', '2005-02-20', 'SH\_CLERK', 4100, NULL, 121, 50),

(186, 'Julia', 'Dellinger', 'JDELLING', '650.509.3876', '2006-06-24', 'SH\_CLERK', 3400, NULL, 121, 50),

(187, 'Anthony', 'Cabrio', 'ACABRIO', '650.509.4876', '2007-02-07', 'SH\_CLERK', 3000, NULL, 121, 50),

(188, 'Kelly', 'Chung', 'KCHUNG', '650.505.1876', '2005-06-14', 'SH\_CLERK', 3800, NULL, 122, 50),

(189, 'Jennifer', 'Dilly', 'JDILLY', '650.505.2876', '2005-08-13', 'SH\_CLERK', 3600, NULL, 122, 50),

(190, 'Timothy', 'Gates', 'TGATES', '650.505.3876', '2006-07-11', 'SH\_CLERK', 2900, NULL, 122, 50),

(191, 'Randall', 'Perkins', 'RPERKINS', '650.505.4876', '2007-12-19', 'SH\_CLERK', 2500, NULL, 122, 50),

(192, 'Sarah', 'Bell', 'SBELL', '650.501.1876', '2004-02-04', 'SH\_CLERK', 4000, NULL, 123, 50),

(193, 'Britney', 'Everett', 'BEVERETT', '650.501.2876', '2005-03-03', 'SH\_CLERK', 3900, NULL, 123, 50),

(194, 'Samuel', 'McCain', 'SMCCAIN', '650.501.3876', '2006-07-01', 'SH\_CLERK', 3200, NULL, 123, 50),

(195, 'Vance', 'Jones', 'VJONES', '650.501.4876', '2007-03-17', 'SH\_CLERK', 2800, NULL, 123, 50),

(196, 'Alana', 'Walsh', 'AWALSH', '650.507.9811', '2006-04-24', 'SH\_CLERK', 3100, NULL, 124, 50),

(197, 'Kevin', 'Feeney', 'KFEENEY', '650.507.9822', '2006-05-23', 'SH\_CLERK', 3000, NULL, 124, 50),

(198, 'Donald', 'OConnell', 'DOCONNEL', '650.507.9833', '2007-06-21', 'SH\_CLERK', 2600, NULL, 124, 50),

(199, 'Douglas', 'Grant', 'DGRANT', '650.507.9844', '2008-01-13', 'SH\_CLERK', 2600, NULL, 124, 50),

(200, 'Jennifer', 'Whalen', 'JWHALEN', '515.123.4444', '2003-09-17', 'AD\_ASST', 4400, NULL, 101, 10),

(201, 'Michael', 'Hartstein', 'MHARTSTE', '515.123.5555', '2004-02-17', 'MK\_MAN', 13000, NULL, 100, 20),

(202, 'Pat', 'Fay', 'PFAY', '603.123.6666', '2005-08-17', 'MK\_REP', 6000, NULL, 201, 20),

(203, 'Susan', 'Mavris', 'SMAVRIS', '515.123.7777', '2002-06-07', 'HR\_REP', 6500, NULL, 101, 40),

(204, 'Hermann', 'Baer', 'HBAER', '515.123.8888', '2002-06-07', 'PR\_REP', 10000, NULL, 101, 70),

(205, 'Shelley', 'Higgins', 'SHIGGINS', '515.123.8080', '2002-06-07', 'AC\_MGR', 12008, NULL, 101, 110),

(206, 'William', 'Gietz', 'WGIETZ', '515.123.8181', '2002-06-07', 'AC\_ACCOUNT', 8300, NULL, 205, 110),

(300, 'John', 'Doe', 'sdjhb', NULL, '2023-07-09', 'SA\_MAN', NULL, NULL, NULL,60)

;

CREATE TABLE DEPARTMENTS (

DEPARTMENT\_ID INT PRIMARY KEY,

DEPARTMENT\_NAME VARCHAR(50),

MANAGER\_ID INT NULL,

LOCATION\_ID INT NOT NULL

);

INSERT INTO DEPARTMENTS (DEPARTMENT\_ID, DEPARTMENT\_NAME, MANAGER\_ID, LOCATION\_ID) VALUES

(10, 'Administration', 200, 1700),

(20, 'Marketing', 201, 1800),

(30, 'Purchasing', 114, 1700),

(40, 'Human Resources', 203, 2400),

(50, 'Shipping', 121, 1500),

(60, 'IT', 103, 1400),

(70, 'Public Relations', 204, 2700),

(80, 'Sales', 145, 2500),

(90, 'Executive', 100, 1700),

(100, 'Finance', 108, 1700),

(110, 'Accounting', 205, 1700),

(120, 'Treasury', NULL, 1700),

(130, 'Corporate Tax', NULL, 1700),

(140, 'Control And Credit', NULL, 1700),

(150, 'Shareholder Services', NULL, 1700),

(160, 'Benefits', NULL, 1700),

(170, 'Manufacturing', NULL, 1700),

(180, 'Construction', NULL, 1700),

(190, 'Contracting', NULL, 1700),

(200, 'Operations', NULL, 1700),

(210, 'IT Support', NULL, 1700),

(220, 'NOC', NULL, 1700),

(230, 'IT Helpdesk', NULL, 1700),

(240, 'Government Sales', NULL, 1700),

(250, 'Retail Sales', NULL, 1700),

(260, 'Recruiting', NULL, 1700),

(270, 'Payroll', NULL, 1700);

DESCRIBE employees;

DESCRIBE DEPARTMENTS;

**# ASSIGNMENTS ON SELECT CLAUSE**

# Q.1 Write a query to display all the details from the employee table.

SELECT \* FROM EMPLOYEES;

# Q.2 Write a query to display the name of all the employees.

SELECT FIRST\_NAME, LAST\_NAME FROM EMPLOYEES;

# q.3 Write a query to display the name and salary of all the employees.

SELECT FIRST\_NAME, LAST\_NAME, SALARY FROM EMPLOYEES;

# Q.4 Write a query to display the name and annual salary of all the employees.

SELECT FIRST\_NAME, LAST\_NAME,SALARY\*12 AS ANNUALSALARY FROM EMPLOYEES;

# Q.5 Write a query to display the employee ID and department number of all the employees.

SELECT EMPLOYEE\_ID, department\_id FROM EMPLOYEES;

# Q.6 Write a query to display the employee name and hire date of all the employees.

SELECT FIRST\_NAME, LAST\_NAME, HIRE\_DATE FROM EMPLOYEES;

# Q.7 Write a query to display the employee name and designation of all the employees.

SELECT FIRST\_NAME, LAST\_NAME, JOB\_ID FROM EMPLOYEES;

# Q.8 Write a query to display the name and half-term salary of all the employees.

SELECT FIRST\_NAME, LAST\_NAME, (SALARY\*12)/2 AS HALF\_TERM\_SALARY FROM EMPLOYEES;

# Q.9 Write a query to display the name, salary, and also the salary with a 25% hike for all the employees.

SELECT FIRST\_NAME, LAST\_NAME,SALARY, SALARY\*1.25 AS SALARY\_HIKE FROM EMPLOYEES;

# Q.10 Write a query to display the employee name, salary, and salary with a deduction of 12% for all employees.

SELECT FIRST\_NAME, LAST\_NAME, SALARY, SALARY-(SALARY\*0.12) AS SALARY\_DEDUCTION FROM EMPLOYEES;

# Q.11 Write a query to display only the different salaries given to employees.

SELECT DISTINCT SALARY FROM EMPLOYEES;

# Q.12 Write a query to display the different designations that are present in the table.

SELECT DISTINCT JOB\_ID FROM EMPLOYEES;

# Q.13 Write a query to display different department numbers as well as salaries that are present in the table.

SELECT DISTINCT DEPARTMENT\_ID AS DIFF\_DEP\_ID, SALARY FROM EMPLOYEES;

# Q.14 Write a query to display all the details of the employee along with his annual salary.

SELECT \* , SALARY\*12 AS ANNUAL\_SALARY FROM EMPLOYEES;

**# ASSGINMENT ON ALIAS**

# Q.1 Display employee name, salary, and annual salary

SELECT FIRST\_NAME, LAST\_NAME, SALARY, SALARY\*12 AS ANNUAL\_SALARY FROM EMPLOYEES;

# Q.2 Display employee name, job, and half term salary

SELECT FIRST\_NAME, LAST\_NAME, JOB\_ID,SALARY\*6 AS HALF\_TERM\_SALARY FROM EMPLOYEES;

#Q.3 Display employee name, salary, and salary with a 10% hike

SELECT FIRST\_NAME,LAST\_NAME, SALARY, SALARY\*1.10 AS SALARY\_HIKE\_10PERCENT FROM EMPLOYEES;

#Q.4 Display all details of employees along with an annual bonus of Rs.2000

SELECT \* , (SALARY+2000)\*12 AS ANNUAL\_BONUS FROM EMPLOYEES;

# Q.5 Display salary as “salary” and hire date as “date of joining”

SELECT SALARY, HIRE\_DATE AS DATE\_OF\_JOINING FROM EMPLOYEES;

# Q.6 Display employee name and salary with a deduction of 25%

SELECT FIRST\_NAME, LAST\_NAME, SALARY-(SALARY\*0.25) AS SALARY\_DEDUCTION FROM EMPLOYEES;

# Q.7 Display employee name and salary with a monthly hike of Rs.50

SELECT FIRST\_NAME, LAST\_NAME, (SALARY+50) AS MONTHLY\_HIKE FROM EMPLOYEES;

# Q.8 Display employee name and annual salary with a deduction of 18%

SELECT FIRST\_NAME, LAST\_NAME, SALARY\*12 AS ANNUAL\_SALARY, (SALARY-(SALARY\*0.18))\*12 AS SALARY\_DEDUCTION FROM EMPLOYEES;

# Q.9 Display total salary given to each employee (salary plus commission- 20)

SELECT (salary + (salary \* IFNULL(commission\_pct, 0)) - 20) AS total\_salary FROM EMPLOYEES;

#Q.10 Display details of all the employees along with their annual salary

SELECT \*, SALARY\*12 AS ANNUAL\_SALARY FROM EMPLOYEES;

# Q.11 Display name, designation, along with a Rs.100 penalty in salary

SELECT FIRST\_NAME, LAST\_NAME,JOB\_ID AS DESIGNATION , SALARY-100 AS SALARY\_AFTER\_PENALTY FROM EMPLOYEES;

**# ASSIGNMENT ON DISTINCT**

# Q.1 Write a query to display only the different salaries given to employees.

SELECT DISTINCT SALARY FROM EMPLOYEES;

# Q.2 Write a query to display the different designations that are present in the table.

SELECT DISTINCT JOB\_ID FROM EMPLOYEES;

# Q.3 Write a query to display different department numbers as well as salaries that are present in the table.

SELECT DISTINCT DEPARTMENT\_ID, SALARY FROM EMPLOYEES;

# Q.4 Query to display different names from the employee table

SELECT DISTINCT FIRST\_NAME, LAST\_NAME FROM EMPLOYEES;

# Q.5 Query to display salary, phone number, and email from the employee table

SELECT DISTINCT SALARY, PHONE\_NUMBER, EMAIL FROM EMPLOYEES;

# Q.6 Query to display different department IDs, salary, and name from the employee table

SELECT DISTINCT DEPARTMENT\_ID, SALARY, FIRST\_NAME, LAST\_NAME FROM EMPLOYEES;

# Q.7 Query to display different department numbers from the employee table

SELECT DISTINCT DEPARTMENT\_ID FROM EMPLOYEES;

# Q.8 Query to display all the details of employees along with their annual salary

SELECT \* , SALARY\*12 AS ANNUAL\_SALARY FROM EMPLOYEES;

# Q.9 Query to display employee names from the employees table.

SELECT FIRST\_NAME, LAST\_NAME FROM EMPLOYEES;

# ASSIGNMENT OF WHERE CLAUSE :

# Q.1 Query to display all employee names only if they are working in Department 20

SELECT FIRST\_NAME,LAST\_NAME FROM EMPLOYEES WHERE DEPARTMENT\_ID = 20;

# Q.2 Query to display employee name from employee table if they are working in Department 40

SELECT DISTINCT FIRST\_NAME,LAST\_NAME FROM EMPLOYEES WHERE DEPARTMENT\_ID = 40;

# Q.3 Query to display the salary of the employee whose name is Neena

SELECT DISTINCT SALARY FROM EMPLOYEES WHERE FIRST\_NAME = 'Neena';

# Q.4 Query to display the annual salary of the employee whose name is Michael

SELECT DISTINCT FIRST\_NAME, LAST\_NAME,SALARY\*12 AS ANNUAL\_SALARY FROM EMPLOYEES WHERE FIRST\_NAME = 'Michael';

# Q.5 Query to display the name of the employee who is working as a clerk

SELECT FIRST\_NAME, LAST\_NAME FROM EMPLOYEES WHERE JOB\_ID = 'ST\_CLERK' OR JOB\_ID = 'PU\_CLERK';

# Q.6 Query to display the salary of the employee who is working as an accountant

SELECT SALARY FROM EMPLOYEES WHERE JOB\_ID = 'FI\_ACCOUNT';

# Q.7 Query to display details of the employee who earns more than 2000

SELECT \* FROM EMPLOYEES WHERE SALARY > 2000;

# Q.8 Query to display details of the employee whose name is Jennifer

SELECT \* FROM EMPLOYEES WHERE FIRST\_NAME = 'Jennifer';

# Q.9 Query to display details of the employee who was hired after 06 May 2023

SELECT DISTINCT \* FROM EMPLOYEES WHERE HIRE\_DATE > '2023-05-06';

# Q.10 Query to display name and salary along with annual salary if the annual salary is more than 12,000

SELECT FIRST\_NAME, LAST\_NAME, SALARY, SALARY\*12 AS ANNUAL\_SALARY FROM EMPLOYEES WHERE (SALARY\*12) > 12000;

# Q.11 Query to display employee numbers of employees working in Department 30

SELECT EMPLOYEE\_ID FROM EMPLOYEES WHERE DEPARTMENT\_ID = 30;

# Q.12 Query to display employee name and hire date if they were hired before 2017

SELECT DISTINCT FIRST\_NAME, LAST\_NAME,HIRE\_DATE FROM EMPLOYEES WHERE HIRE\_DATE < '2017-01-01';

# Q.13 Query to display details of the employee working as an assistant

SELECT DISTINCT \* FROM EMPLOYEES WHERE JOB\_ID = 'AD\_ASST';

# Q.14 Query to display name and salary of employees who earn a commission of Rs. 0.3

SELECT FIRST\_NAME, LAST\_NAME, SALARY FROM EMPLOYEES WHERE commission\_pct = 0.3;

# Q.15 Query to display details of employees having a commission of Rs. 0.25

SELECT \* FROM EMPLOYEES WHERE COMMISSION\_PCT = 0.25;

# Q.16 Query to display employee numbers of employees hired before the year 2005

SELECT EMPLOYEE\_ID FROM EMPLOYEES WHERE HIRE\_DATE < '2005-01-01';

# Q.17 Query to display details of the employees working as a salesman

SELECT \* FROM EMPLOYEES WHERE JOB\_ID = 'SA\_REP';

# Q.18 Query to display details of employees earning salary more than Rs. 2000 per month

SELECT \* FROM EMPLOYEES WHERE SALARY > 2000;

**# ASSIGNMENT ON AND & OR OPERATOR**

# Q.1 Query to display the employee name if the employee is working in department number 20 and earning a

# salary more than 1500:

SELECT FIRST\_NAME,LAST\_NAME FROM EMPLOYEES WHERE (DEPARTMENT\_ID = 20) AND (SALARY > 1500);

# Q.2 Query to display details of the employees working as an Finance Accountant and earning less than 15,000:

SELECT \* FROM EMPLOYEES WHERE JOB\_ID = 'FI\_ACCOUNT' AND SALARY < 15000;

# Q.3 Query to display details of employees along with their annual salary if they are working in department number 60

# as an IT Programmer and their annual salary is greater than 14,000:

SELECT \*, SALARY\*12 AS ANNUAL\_SALARY FROM EMPLOYEES WHERE DEPARTMENT\_ID = 60 AND JOB\_ID = 'IT\_PROG' AND SALARY\*12 > 14000;

# Q.4 Query to display name and hire date of the employee working as a Sales Manager in department no. 20

SELECT FIRST\_NAME, LAST\_NAME, HIRE\_DATE FROM EMPLOYEES WHERE EMPLOYEE\_ID = 'SA\_MAN' AND DEPARTMENT\_ID = 20;

# Q.5 Query to display all details of the employee working in department no. 50 as Purchasing Clerk.

SELECT \* FROM EMPLOYEES WHERE DEPARTMENT\_ID = 50 AND JOB\_ID = 'PU\_CLERK ';

# Q.6 Query to display the name of the employee whose salary is less than 5000 and whose designation is a Stock Clerk

SELECT FIRST\_NAME, LAST\_NAME FROM EMPLOYEES WHERE SALARY < 5000 AND JOB\_ID = 'ST\_CLERK';

# Q.7 Query to display name, salary, annual salary, and department number for employees, provided that the

# department number is 60, they are earning more than 1000, and their annual salary exceeds 4000

SELECT FIRST\_NAME, LAST\_NAME, SALARY, SALARY\*12 AS ANNUAL\_SALARY, DEPARTMENT\_ID FROM EMPLOYEES WHERE DEPARTMENT\_ID = 60 AND SALARY > 1000 AND SALARY\*12 = 4000;

# Q.8 Query to display employee number and name of the employee working as an Accounting Manager in department number 110:

SELECT distinct EMPLOYEE\_ID, FIRST\_NAME, LAST\_NAME FROM EMPLOYEES WHERE JOB\_ID = 'AC\_MGR' AND DEPARTMENT\_ID = 110;

# Q.9 Query to display details of employees working in department number 80 or department number 50:

SELECT \* FROM EMPLOYEES WHERE DEPARTMENT\_ID = 80 OR DEPARTMENT\_ID = 50;

# Q.10 Query to display details of employees working as a Purchasing Clerk in department number 30:

SELECT DISTINCT \* FROM EMPLOYEES WHERE JOB\_ID = 'PU\_CLERK' AND DEPARTMENT\_ID = 30;

# Q.11 . Query to display details of employees working as Administration Vice President with a salary of 6000:

SELECT \* FROM EMPLOYEES WHERE JOB\_ID = 'AD\_VP' AND SALARY = 6000;

# Q.12. Query to display name, department number, and job of employees working as a Sales Representative in department number 80 or 50:

SELECT FIRST\_NAME, LAST\_NAME, DEPARTMENT\_ID, JOB\_ID FROM EMPLOYEES WHERE JOB\_ID = 'SA\_REP' AND (DEPARTMENT\_ID = 80 OR DEPARTMENT\_ID = 50);

# Q.13 Query to display details of employees working as Stock Manager or Stock Clerk in department number 10

SELECT \* FROM EMPLOYEES WHERE (JOB\_ID = 'ST\_MAN' OR JOB\_ID = 'ST\_CLERK') AND DEPARTMENT\_ID = 10;

# Q.14 Query to display name of employees working in departments 10, 20, 40, or 70

SELECT FIRST\_NAME, LAST\_NAME FROM EMPLOYEES WHERE (DEPARTMENT\_ID = 10 OR DEPARTMENT\_ID = 20 OR DEPARTMENT\_ID = 40 OR DEPARTMENT\_ID=70);

# Q.15 Query to display details of employees with employee numbers 200, 205, 185, or 166:

SELECT \* FROM EMPLOYEES WHERE EMPLOYEE\_ID IN (200,205,185,166);

# Q.16 Query to display details of employees working as Shipping Clerk, Marketing Manager, or Human Resources Representative:

SELECT \* FROM EMPLOYEES WHERE EMPLOYEE\_ID IN ( 'SH\_CLERK','MK\_MAN','HR\_REP');

# Q.17 Query to display names of employees hired after 2007 and before 2014:

SELECT FIRST\_NAME, LAST\_NAME, HIRE\_DATE FROM EMPLOYEES WHERE HIRE\_DATE > '2007-01-01' AND HIRE\_DATE < '2014-01-01';

# Q.18 Query to display details of employees earning more than Rs.1250 but less than Rs.4000:

SELECT \* FROM EMPLOYEES WHERE SALARY > 1250 AND SALARY < 4000;

# Q.19 Query to display name and annual salary for employees working as Purchasing Clerk or Marketing Manager in department 50 or 80:

SELECT FIRST\_NAME, LAST\_NAME, SALARY\*12 AS ANNUAL\_SALARY FROM EMPLOYEES WHERE (EMPLOYEE\_ID = 'PU\_CLERK' OR EMPLOYEE\_ID ='MK\_MAN') AND (DEPARTMENT\_ID = 50 OR DEPARTMENT\_ID = 80);

# 20. Query to display names of employees hired after 2004 in department 50 or 80:

SELECT FIRST\_NAME, LAST\_NAME,HIRE\_DATE,DEPARTMENT\_ID FROM EMPLOYEES WHERE HIRE\_DATE > '2004-01-01' AND (DEPARTMENT\_ID = 50 OR DEPARTMENT\_ID = 80);

# 21. Query to display all details along with annual salary where salary is between 1000 and

# 4000 and annual salary is more than 15000:

SELECT \* , SALARY\*12 AS ANNUAL\_SALARY FROM EMPLOYEES WHERE (SALARY > 1000 AND SALARY < 4000) AND SALARY\*12 > 15000;