

Assignment 1

1. Show the details of all employees.

Query: SELECT * FROM EMP;

Output:

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO	PHONENO	ADDRESS
7369	SMITH	CLERK	7902	17-DEC-80	800	-	20	-	-
7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30	-	-
7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30	-	-
7566	JONES	MANAGER	7839	02-APR-81	2975	-	20	-	-
7654	MARTIN	SALESMAN	7698	28-SEP-81	1250	1400	30	-	-
7698	BLAKE	MANAGER	7839	01-MAY-81	2850	-	30	-	-
7782	CLARK	MANAGER	7839	09-JUN-81	2450	-	10	-	-
7788	SCOTT	ANALYST	7566	19-APR-87	3000	-	20	-	-
7839	KING	PRESIDENT	-	17-NOV-81	5000	-	10	-	-
7844	TURNER	SALESMAN	7698	08-SEP-81	1500	0	30	-	-
7876	ADAMS	CLERK	7788	23-MAY-87	1100	-	20	-	-
7900	JAMES	CLERK	7698	03-DEC-81	950	-	30	-	-
7902	FORD	ANALYST	7566	03-DEC-81	3000	-	20	-	-
7934	MILLER	CLERK	7782	23-JAN-82	1300	-	10	-	-

2. Show the department no. and name of all departments.

Query: SELECT dname, deptno from dept;

Output:

DNAME	DEPTNO
ACCOUNTING	10
RESEARCH	20
SALES	30
OPERATIONS	40

3. Display the employee id, name and department no of all employees whose department no is 20.

Query: SELECT EMPNO, ENAME, DEPTNO FROM EMP WHERE DEPTNO=20;

Output:

EMPNO	ENAME	DEPTNO
7369	SMITH	20
7566	JONES	20
7788	SCOTT	20
7876	ADAMS	20
7902	FORD	20

4. Display the details of all employees where department no should be in descending order.

Query: SELECT * FROM EMP ORDER BY DEPTNO DESC;

Output:

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO	PHONENO	ADDRESS
7698	BLAKE	MANAGER	7839	01-MAY-81	2850	-	30	-	-
7844	TURNER	SALESMAN	7698	08-SEP-81	1500	0	30	-	-
7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30	-	-
7654	MARTIN	SALESMAN	7698	28-SEP-81	1250	1400	30	-	-
7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30	-	-
7900	JAMES	CLERK	7698	03-DEC-81	950	-	30	-	-
7788	SCOTT	ANALYST	7566	19-APR-87	3000	-	20	-	-
7566	JONES	MANAGER	7839	02-APR-81	2975	-	20	-	-
7369	SMITH	CLERK	7902	17-DEC-80	800	-	20	-	-
7876	ADAMS	CLERK	7788	23-MAY-87	1100	-	20	-	-
7902	FORD	ANALYST	7566	03-DEC-81	3000	-	20	-	-
7839	KING	PRESIDENT	-	17-NOV-81	5000	-	10	-	-
7934	MILLER	CLERK	7782	23-JAN-82	1300	-	10	-	-
7782	CLARK	MANAGER	7839	09-JUN-81	2450	-	10	-	-

5. Show all available jobs in the employee table.

Query: SELECT DISTINCT JOB FROM EMP;

Output:

JOB
CLERK
SALESMAN
ANALYST
MANAGER

PRESIDENT

6. Show the name, Annual Salary and department no of employees who works as a clerk in department 20.

Query: SELECT ENAME, SAL, DEPTNO FROM EMP WHERE JOB='CLERK' AND DEPTNO=20

Output:

ENAME	SAL	DEPTNO
SMITH	800	20
ADAMS	1100	20

7. Show the name and HIRED date of those employees whose name starts with 'S' or the second character is 'C'.

Query: SELECT ENAME, HIREDATE FROM EMP WHERE ENAME LIKE 'S%' OR ENAME LIKE '_C%';

Output:

ENAME	HIREDATE
SMITH	17-DEC-80
SCOTT	19-APR-87

8. Show the name, hire date and salary of those employees who are not a manager.

Query: SELECT ENAME, HIREDATE, SAL FROM EMP WHERE JOB!='MANAGER'

Output:

ENAME	HIREDATE	SAL
SMITH	17-DEC-80	800
ALLEN	20-FEB-81	1600
WARD	22-FEB-81	1250
MARTIN	28-SEP-81	1250
SCOTT	19-APR-87	3000
KING	17-NOV-81	5000
TURNER	08-SEP-81	1500
ADAMS	23-MAY-87	1100

JAMES	03-DEC-81	950
FORD	03-DEC-81	3000
MILLER	23-JAN-82	1300

9. Display all employee names in title case and length of the name.

Query: SELECT INITCAP(ENAME), LENGTH(ENAME) FROM EMP;

Output:

INITCAP(ENAME)	LENGTH(ENAME)
Smith	5
Allen	5
Ward	4
Jones	5
Martin	6
Blake	5
Clark	5
Scott	5
King	4
Turner	6
Adams	5
James	5
Ford	4
Miller	6

10. Display the name of the employees who get salaries between 4000 to 6000.

Query: SELECT ENAME FROM EMP WHERE SAL>=4000 AND SAL<=6000;

Output:

ENAME
KING