1. **Show the details of all employees.**

   Query: `SELECT * FROM EMP;`

   Result:

	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO	PHONENO	ADDRESS
1	7369	SMITH	CLERK	7902	12/17/1980, 12:00:0	800	(null)	20	(null)	(null)
2	7499	ALLEN	SALESMAN	7698	2/20/1981, 12:00:00	1600	300	30	(null)	(null)
3	7521	WARD	SALESMAN	7698	2/22/1981, 12:00:00	1250	500	30	(null)	(null)
4	7566	JONES	MANAGER	7839	4/2/1981, 12:00:00	2975	(null)	20	(null)	(null)
5	7654	MARTIN	SALESMAN	7698	9/28/1981, 12:00:0	1250	1400	30	(null)	(null)
6	7698	BLAKE	MANAGER	7839	5/1/1981, 12:00:00	2850	(null)	30	(null)	(null)
7	7782	CLARK	MANAGER	7839	6/9/1981, 12:00:00	2450	(null)	10	(null)	(null)
8	7788	SCOTT	ANALYST	7566	4/19/1987, 12:00:0	3000	(null)	20	(null)	(null)
9	7839	KING	PRESIDENT	(null)	11/17/1981, 12:00:0	5000	(null)	10	(null)	(null)
10	7844	TURNER	SALESMAN	7698	9/8/1981, 12:00:00	1500	0	30	(null)	(null)
11	7876	ADAMS	CLERK	7788	5/23/1987, 12:00:0	1100	(null)	20	(null)	(null)
12	7900	JAMES	CLERK	7698	12/3/1981, 12:00:0	950	(null)	30	(null)	(null)
13	7902	FORD	ANALYST	7566	12/3/1981, 12:00:0	3000	(null)	20	(null)	(null)
14	7934	MILLER	CLERK	7782	1/23/1982, 12:00:0	1300	(null)	10	(null)	(null)
15	7934	MILLER	CLERK	7782	1/23/1982, 12:00:0	1300	(null)	10	(null)	(null)

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

   Query: `SELECT DEPTNO,DNAME FROM DEPT;`

   Result:

	DEPTNO	DNAME
1	10	ACCOUNTING
2	20	RESEARCH
3	30	SALES
4	40	OPERATIONS

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;`

   Result:

	EMPNO	ENAME	DEPTNO
1	7782	CLARK	10
2	7839	KING	10
3	7934	MILLER	10
4	7934	MILLER	10

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

Query: `SELECT * FROM EMP ORDER BY DEPTNO DESC;`

Result:

	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO	PHONENO	ADDRESS
1	7844	TURNER	SALESMAN	7698	9/8/1981, 12:00:00	1500	0	30	(null)	(null)
2	7900	JAMES	CLERK	7698	12/3/1981, 12:00:0(	950	(null)	30	(null)	(null)
3	7521	WARD	SALESMAN	7698	2/22/1981, 12:00:0(	1250	500	30	(null)	(null)
4	7499	ALLEN	SALESMAN	7698	2/20/1981, 12:00:0(	1600	300	30	(null)	(null)
5	7654	MARTIN	SALESMAN	7698	9/28/1981, 12:00:0(	1250	1400	30	(null)	(null)
6	7698	BLAKE	MANAGER	7839	5/1/1981, 12:00:00	2850	(null)	30	(null)	(null)
7	7566	JONES	MANAGER	7839	4/2/1981, 12:00:00	2975	(null)	20	(null)	(null)
8	7369	SMITH	CLERK	7902	12/17/1980, 12:00:(	800	(null)	20	(null)	(null)
9	7788	SCOTT	ANALYST	7566	4/19/1987, 12:00:0(	3000	(null)	20	(null)	(null)
10	7902	FORD	ANALYST	7566	12/3/1981, 12:00:0(	3000	(null)	20	(null)	(null)
11	7876	ADAMS	CLERK	7788	5/23/1987, 12:00:0(	1100	(null)	20	(null)	(null)
12	7782	CLARK	MANAGER	7839	6/9/1981, 12:00:00	2450	(null)	10	(null)	(null)
13	7934	MILLER	CLERK	7782	1/23/1982, 12:00:0(	1300	(null)	10	(null)	(null)
14	7934	MILLER	CLERK	7782	1/23/1982, 12:00:0(	1300	(null)	10	(null)	(null)
15	7839	KING	PRESIDENT	(null)	11/17/1981, 12:00:(	5000	(null)	10	(null)	(null)

5. **Show all available jobs in the employee table.**

Query: `SELECT DISTINCT JOB FROM EMP;`

Result:

	JOB
1	CLERK
2	SALESMAN
3	MANAGER
4	ANALYST
5	PRESIDENT

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

Query: `SELECT ENAME, SAL*12 AS "ANNUAL SALARY",DEPTNO FROM EMP WHERE JOB='CLERK' AND DEPTNO=20;`

Result:

	ENAME	ANNUAL_SALARY	DEPTNO
1	SMITH	9600	20
2	ADAMS	13200	20

7. **Show the name and HIRED date of those employee whose name start with 'S' or second character is 'C'.**

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

    Result:

	ENAME	HIREDATE
1	SMITH	12/17/1980, 12:00:00 AM
2	SCOTT	4/19/1987, 12:00:00 AM

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

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

    Result:

	ENAME	HIREDATE	SAL
1	SMITH	12/17/1980, 12:00:(	800
2	ALLEN	2/20/1981, 12:00:0(	1600
3	WARD	2/22/1981, 12:00:0(	1250
4	MARTIN	9/28/1981, 12:00:0(	1250
5	SCOTT	4/19/1987, 12:00:0(	3000
6	KING	11/17/1981, 12:00:(	5000
7	TURNER	9/8/1981, 12:00:00	1500
8	ADAMS	5/23/1987, 12:00:0(	1100
9	JAMES	12/3/1981, 12:00:0(	950
10	FORD	12/3/1981, 12:00:0(	3000
11	MILLER	1/23/1982, 12:00:0(	1300
12	MILLER	1/23/1982, 12:00:0(	1300

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

   Query: `SELECT INITCAP(ENAME) AS "NAME",LENGTH(ENAME) AS "NAME LENGTH" FROM EMP;`

   Result:

	TITLE_CASE_NAME	LENGTH_OF_NAME
1	Smith	5
2	Allen	5
3	Ward	4
4	Jones	5
5	Martin	6
6	Blake	5
7	Clark	5
8	Scott	5
9	King	4
10	Turner	6
11	Adams	5
12	James	5
13	Ford	4
14	Miller	6
15	Miller	6

10. **Display the name of employee who gets the salary between 4000 to 6000.**

    Query: `SELECT ENAME FROM EMP WHERE SAL BETWEEN 4000 AND 6000;`

    Result:

	ENAME
1	KING