1. Create an employee table with the following fields:

|  |  |
| --- | --- |
| EMPNO | NUMBER(4) PRIMARY KEY |
| ENAME | VARCHAR(25) |
| JOB | VARCHAR(12) |
| SALARY | NUMBER(7) |
| COMMISSION | NUMBER(5) |
| DEPNO | NUMBER(2) |

SQL> CREATE TABLE EMPLOYEE(EMPNO NUMBER(4) PRIMARY KEY,ENAME VARCHAR(25) NOT NULL,JOB VARCHAR2(12) NOT NULL,SALARY NUMBER(10,2) NOT NULL,COMMISSION NUMBER(7)NOT NULL,DEPNO NUMBER NOT NULL);

2. Insert the following record into employee

SQL> INSERT INTO EMPLOYEE VALUES('&EMPNO','&ENAME','&JOB','&SALARY','&COMMISSION','&DEPNO');

Enter value for empno: 2

Enter value for ename: FIDA

Enter value for job: CLERK

Enter value for salary: 32

Enter value for commission: 790

Enter value for depno: 2

3. Display all the records

SELECT \* FROM EMPLOYEE;

EMPNO ENAME JOB SALARY COMMISSION DEPNO

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1 GAYATHRI HR 25 700 1

2 FIDA CLERK 32 790 2

3 NONU DOCTOR 5 7 3

4. change job type ‘ clerk’ to ‘analyst’

UPDATE EMPLOYEE SET JOB='ANALYST' WHERE JOB='CLERK';

EMPNO ENAME JOB SALARY COMMISSION DEPNO

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1 GAYATHRI HR 25 700 1 17-DEC-80

2 FIDA ANALYST 32 790 2 17-DEC-80

3 NONU DOCTOR 5 7 3 17-DEC-80

5.Add a new field DOJ to the table and insert the date 17-dec-80 to all record.

ALTER TABLE EMPLOYEE ADD(DOJ,DATE);

UPDATE EMPLOYEE SET DOJ='17-DEC-80' WHERE DOJ IS NULL;

EMPNO ENAME JOB SALARY COMMISSION DEPNO DOJ

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1 GAYATHRI HR 25 700 1 17-DEC-80

2 FIDA CLERK 32 790 2 17-DEC-80

3 NONU DOCTOR 5 7 3 17-DEC-80

6. Display all distinct job types

SELECT DISTINCT JOB FROM EMPLOYEE;

JOB

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DOCTOR

CLERK

HR

7. Display empno,ename,job from table employee.

SELECT EMPNO,ENAME,JOB FROM EMPLOYEE;

EMPNO ENAME JOB

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1 GAYATHRI HR

2 FIDA CLERK

3 NONU DOCTOR

8. Display name of all employees in dept no 2.

SELECT ENAME FROM EMPLOYEE WHERE DEPNO=2;

ENAME

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FIDA

9. Find total salary of all employees.

SELECT SUM(SALARY) FROM EMPLOYEE;

SUM(SALARY)

-----------

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10. List name and total of salary i.e, sal+commission.

SELECT ENAME,SUM(SALARY+COMMISSION) FROM EMPLOYEE GROUP BY ENAME;

ENAME SUM(SALARY+COMMISSION)

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FIDA 822

NONU 12

GAYATHRI 725

11.Display the structure of EMPLOYEE

DESC EMPLOYEE

Name Null? Type

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EMPNO NOT NULL NUMBER(4)

ENAME NOT NULL VARCHAR2(25)

JOB NOT NULL VARCHAR2(12)

SALARY NOT NULL NUMBER(10,2)

COMMISSION NOT NULL NUMBER(7)

DEPNO NOT NULL NUMBER

DOJ DATE