**SET 1**

Create an Employee Table “EMP” with the following fields:

|  |  |
| --- | --- |
| EMPNO | NUMBER(4) PRIMARY KEY |
| ENAME | VARCHAR2(25) |
| JOB | VARCHAR2(12) |
| SALARY | NUMBER(10,2) |
| COMMISSION | NUMBER(7,2) |
| DEPTNO | NUMBER(2) |

CREATE TABLE EMP(EMPNO NUMBER(4)PRIMARY KEY,ENAME VARCHAR2(25),JOB VARCHAR2(12),SALARY NUMBER(10,2),COMMISSION NUMBER(7,2),DEPTNO NUMBER(2));

**a**).Display the structure of “EMP”

DESC EMP;

Name Type

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EMPNO NOT NULL NUMBER(4)

ENAME VARCHAR2(25)

JOB VARCHAR2(12)

SALARY NUMBER(10,2)

COMMISSION NUMBER(7,2)

DEPTNO NUMBER(2)

**b).**Insert Records

INSERT INTO EMP VALUES(&EMPNO,'&ENAME','&JOB',&SALARY,&COMMISSION,&DEPTNO);

Enter value for empno: 1

Enter value for ename: FIDHA

Enter value for job: MANAGER

Enter value for salary: 55000

Enter value for commission: 1000

Enter value for deptno: 55

INSERT INTO EMP VALUES(&EMPNO,'&ENAME','&JOB',&SALARY,&COMMISSION,&DEPTNO);

Enter value for empno: 2

Enter value for ename: DENNY

Enter value for job: SECRETARY

Enter value for salary: 35000

Enter value for commission: 500

Enter value for deptno: 55

INSERT INTO EMP VALUES(&EMPNO,'&ENAME','&JOB',&SALARY,&COMMISSION,&DEPTNO);

Enter value for empno: 3

Enter value for ename: SANDRA

Enter value for job: ASST.MANAGER

Enter value for salary: 4000

Enter value for commission: 1000

Enter value for deptno: 55

INSERT INTO EMP VALUES(&EMPNO,'&ENAME','&JOB',&SALARY,&COMMISSION,&DEPTNO);

Enter value for empno: 5

Enter value for ename: SURYA

Enter value for job: ANALYST

Enter value for salary: 35000

Enter value for commission: 1000

Enter value for deptno: 55

**c).** Display all the records

SELECT \* FROM EMP;

EMPNO ENAME JOB SALARY COMMISSION DEPTNO

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1 FIDHA MANAGER 55000 1000 55

2 DENNY SECRETARY 35000 500 55

3 SANDRA ASST.MANAGER 4000 1000 55

5 SURYA ANALYST 35000 1000 55

**d)** Insert job as ‘CLERK’for all NULL job types.

UPDATE EMP SET JOB=’CLERK’ WHERE JOB=’NULL’;

**e)** Change the job type analyst to data analyst

UPDATE EMP SET JOB='DATA ANALYST' WHERE JOB='ANALYST';

**f)** Add a new field doj to the table and insert the date 17-DEC-80 to all records.

ALTER TABLE EMP ADD(DOJ DATE);

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

**g)** Display all distinct job types.

SELECT DISTINCT JOB FROM EMP;

JOB

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SECRETARY

ASST.MANAGER

DATA ANALYST

MANAGER

**h)** Display EMPNO,ENAME, JOB from table EMP

SELECT EMPNO, ENAME, JOB FROM EMP;

EMPNO ENAME JOB

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1 FIDHA MANAGER

2 DENNY SECRETARY

3 SANDRA ASST.MANAGER

5 SURYA DATA ANALYST

**i)** Display name of all employee in deptno 55

SELECT ENAME FROM EMP WHERE DEPTNO='55';

ENAME

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FIDHA

DENNY

SANDRA

SURYA

**j)** Find the total salary of all employees(salary+commission)

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

ENAME SUM (SALARY+COMMISSION)

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SURYA 36000

FIDHA 56000

SANDRA 5000

DENNY 35500

**k)** Find the total salary group by job

SELECT JOB,SUM (SALARY)FROM EMP GROUP BY JOB;

JOB SUM (SALARY)

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SECRETARY 35000

ASST.MANAGER 4000

DATA ANALYST 35000

MANAGER 55000