**SET 1**

**1.**

**SQL> CREATE TABLE EMPL (EMPNO NUMBER(6) PRIMARY KEY,ENAME VARCHAR(10),JOB VARCHAR(12),SALARY NUMBER(10,2),COMMISSION NUMBER(7,2),DEPTNO NUMBER(2));**

**Table created.**

**SQL> DESC EMPL;**

**Name Null? Type**

**----------------------------------------- -------- ----------------------------**

**EMPNO NOT NULL NUMBER(6)**

**ENAME VARCHAR2(10)**

**JOB VARCHAR2(12)**

**SALARY NUMBER(10,2)**

**COMMISSION NUMBER(7,2)**

**DEPTNO NUMBER(2)**

**SQL> INSERT INTO EMPLOYEE VALUES(&EMPNO,'&ENAME','&job',&salary,&commission,&deptno);**

**Enter value for empno: 1**

**Enter value for ename: abhirami**

**Enter value for job: ceo**

**Enter value for salary: 400000**

**Enter value for commission: 390000**

**Enter value for deptno: 11**

**old 1: INSERT INTO EMPLOYEE VALUES(&EMPNO,'&ENAME','&job',&salary,&commission,&deptno)**

**new 1: INSERT INTO EMPLOYEE VALUES(1,'abhirami','ceo',400000,390000,11)**

**INSERT INTO EMPLOYEE VALUES(1,'abhirami','ceo',400000,390000,11)**

**\***

**ERROR at line 1:**

**ORA-00913: too many values**

**SQL> INSERT INTO EMPL VALUES(&EMPNO,'&ENAME','&job',&salary,&commission,&deptno);**

**Enter value for empno: 1**

**Enter value for ename: abhiirami**

**Enter value for job: ceo**

**Enter value for salary: 400000**

**Enter value for commission: 3456**

**Enter value for deptno: 23**

**old 1: INSERT INTO EMPL VALUES(&EMPNO,'&ENAME','&job',&salary,&commission,&deptno)**

**new 1: INSERT INTO EMPL VALUES(1,'abhiirami','ceo',400000,3456,23)**

**1 row created.**

**SQL> 2**

**SP2-0226: Invalid line number**

**SQL> /**

**Enter value for empno: ajay**

**Enter value for ename: analyst**

**Enter value for job: analyst**

**Enter value for salary: 23456**

**Enter value for commission: 3456**

**Enter value for deptno: 20**

**old 1: INSERT INTO EMPL VALUES(&EMPNO,'&ENAME','&job',&salary,&commission,&deptno)**

**new 1: INSERT INTO EMPL VALUES(ajay,'analyst','analyst',23456,3456,20)**

**INSERT INTO EMPL VALUES(ajay,'analyst','analyst',23456,3456,20)**

**\***

**ERROR at line 1:**

**ORA-00984: column not allowed here**

**SQL> /**

**Enter value for empno: 2**

**Enter value for ename: ajay**

**Enter value for job: analyst**

**Enter value for salary: 67888**

**Enter value for commission: 345**

**Enter value for deptno: 20**

**old 1: INSERT INTO EMPL VALUES(&EMPNO,'&ENAME','&job',&salary,&commission,&deptno)**

**new 1: INSERT INTO EMPL VALUES(2,'ajay','analyst',67888,345,20)**

**1 row created.**

**SQL> /**

**Enter value for empno: 3**

**Enter value for ename: anathaaaaaaaaa**

**Enter value for job: clerk**

**Enter value for salary: 34523**

**Enter value for commission: 234**

**Enter value for deptno: 30**

**old 1: INSERT INTO EMPL VALUES(&EMPNO,'&ENAME','&job',&salary,&commission,&deptno)**

**new 1: INSERT INTO EMPL VALUES(3,'anathaaaaaaaaa','clerk',34523,234,30)**

**INSERT INTO EMPL VALUES(3,'anathaaaaaaaaa','clerk',34523,234,30)**

**\***

**ERROR at line 1:**

**ORA-12899: value too large for column "C23MCA003"."EMPL"."ENAME" (actual: 14,**

**maximum: 10)**

**SQL> /**

**Enter value for empno: 3**

**Enter value for ename: anju**

**Enter value for job: clerk**

**Enter value for salary: 234**

**Enter value for commission: 2**

**Enter value for deptno: 30**

**old 1: INSERT INTO EMPL VALUES(&EMPNO,'&ENAME','&job',&salary,&commission,&deptno)**

**new 1: INSERT INTO EMPL VALUES(3,'anju','clerk',234,2,30)**

**1 row created.**

**SQL> select \* from empl;**

**EMPNO ENAME JOB SALARY COMMISSION DEPTNO**

**---------- ---------- ------------ ---------- ---------- ----------**

**1 abhiirami ceo 400000 3456 23**

**2 ajay analyst 67888 345 20**

**3 anju clerk 234 2 30**

**SQL> update empl set job='clerk' where job="null";**

**update empl set job='clerk' where job="null"**

**\***

**ERROR at line 1:**

**ORA-00904: "null": invalid identifier**

**SQL> update empl set job='clerk' where job='null';**

**0 rows updated.**

**SQL> /**

**0 rows updated.**

**SQL> INSERT INTO EMPL VALUES(&EMPNO,'&ENAME','&job',&salary,&commission,&deptno);**

**Enter value for empno: 4**

**Enter value for ename: rahul**

**Enter value for job: null**

**Enter value for salary: 3456**

**Enter value for commission: 456**

**Enter value for deptno: 40**

**old 1: INSERT INTO EMPL VALUES(&EMPNO,'&ENAME','&job',&salary,&commission,&deptno)**

**new 1: INSERT INTO EMPL VALUES(4,'rahul','null',3456,456,40)**

**1 row created.**

**SQL> update empl set job='clerk' where job="null";**

**update empl set job='clerk' where job="null"**

**\***

**ERROR at line 1:**

**ORA-00904: "null": invalid identifier**

**SQL> update empl set job='clerk' where job='null';**

**1 row updated.**

**SQL> select \* from empl;**

**EMPNO ENAME JOB SALARY COMMISSION DEPTNO**

**---------- ---------- ------------ ---------- ---------- ----------**

**1 abhiirami ceo 400000 3456 23**

**2 ajay analyst 67888 345 20**

**3 anju clerk 234 2 30**

**4 rahul clerk 3456 456 40**

**SQL> update empl set job='data analyst' where job='analyst';**

**1 row updated.**

**SQL> select \* from empl;**

**EMPNO ENAME JOB SALARY COMMISSION DEPTNO**

**---------- ---------- ------------ ---------- ---------- ----------**

**1 abhiirami ceo 400000 3456 23**

**2 ajay data analyst 67888 345 20**

**3 anju clerk 234 2 30**

**4 rahul clerk 3456 456 40**

**SQL> alter table empl add doj date;**

**Table altered.**

**SQL> update empl set doj='17-DEC-80;**

**ERROR:**

**ORA-01756: quoted string not properly terminated**

**SQL> update empl set doj='17-DEC-80';**

**4 rows updated.**

**SQL> select \* from empl;**

**EMPNO ENAME JOB SALARY COMMISSION DEPTNO DOJ**

**---------- ---------- ------------ ---------- ---------- ---------- ---------**

**1 abhiirami ceo 400000 3456 23 17-DEC-80**

**2 ajay data analyst 67888 345 20 17-DEC-80**

**3 anju clerk 234 2 30 17-DEC-80**

**4 rahul clerk 3456 456 40 17-DEC-80**

**SQL> select distinct job from empl;**

**JOB**

**------------**

**data analyst**

**clerk**

**ceo**

**SQL> select empno,empname,job from empl;**

**select empno,empname,job from empl**

**\***

**ERROR at line 1:**

**ORA-00904: "EMPNAME": invalid identifier**

**SQL> select empno,ename,job from empl;**

**EMPNO ENAME JOB**

**---------- ---------- ------------**

**1 abhiirami ceo**

**2 ajay data analyst**

**3 anju clerk**

**4 rahul clerk**

**SQL> select ename from empl where deptno='20' and deptno='30';**

**no rows selected**

**SQL> select ename from empl where deptno='20' or deptno='30';**

**ENAME**

**----------**

**ajay**

**anju**

**SQL> select sum(salary) from empl;**

**SUM(SALARY)**

**-----------**

**471578**

**SQL> select ename, sum(salary+commission) from empl group by ename;**

**ENAME SUM(SALARY+COMMISSION)**

**---------- ----------------------**

**rahul 3912**

**abhiirami 403456**

**anju 236**

**ajay 68233**