SQL> create table student(rollno int,name varchar(20),course varchar(20),year int);

Table created.

SQL> desc student;

Name Null? Type

----------------------------------------- -------- ----------------------------

ROLLNO NUMBER(38)

NAME VARCHAR2(20)

COURSE VARCHAR2(20)

YEAR NUMBER(38)

SQL> drop table student;

Table dropped.

SQL> create table student(rollno int primary key,name varchar(20),course varchar(20),year int);

Table created.

SQL> desc student;

Name Null? Type

----------------------------------------- -------- ----------------------------

ROLLNO NOT NULL NUMBER(38)

NAME VARCHAR2(20)

COURSE VARCHAR2(20)

YEAR NUMBER(38)

SQL> alter table student add mark int;

Table altered.

SQL> desc student;

Name Null? Type

----------------------------------------- -------- ----------------------------

ROLLNO NOT NULL NUMBER(38)

NAME VARCHAR2(20)

COURSE VARCHAR2(20)

YEAR NUMBER(38)

MARK NUMBER(38)

SQL> alter table student drop column mark;

Table altered.

SQL> desc student;

Name Null? Type

----------------------------------------- -------- ----------------------------

ROLLNO NOT NULL NUMBER(38)

NAME VARCHAR2(20)

COURSE VARCHAR2(20)

YEAR NUMBER(38)

SQL> alter table student rename column course to course\_name;

Table altered.

SQL> desc student;

Name Null? Type

----------------------------------------- -------- ----------------------------

ROLLNO NOT NULL NUMBER(38)

NAME VARCHAR2(20)

COURSE\_NAME VARCHAR2(20)

YEAR NUMBER(38)

SQL> alter table student modify name varchar(30);

Table altered.

SQL> desc student;

Name Null? Type

----------------------------------------- -------- ----------------------------

ROLLNO NOT NULL NUMBER(38)

NAME VARCHAR2(30)

COURSE\_NAME VARCHAR2(20)

YEAR NUMBER(38)

SQL> drop table student;

Table dropped.

SQL> desc student;

ERROR:

ORA-04043: object student does not exist

SQL> create table student(rollno int primary key,name varchar(20),course varchar(20),year int);

Table created.

SQL> truncate table student;

Table truncated.

SQL> desc student;

Name Null? Type

----------------------------------------- -------- ----------------------------

ROLLNO NOT NULL NUMBER(38)

NAME VARCHAR2(20)

COURSE VARCHAR2(20)

YEAR NUMBER(38)

SQL> insert into student values(1,'Malavika','MCA','2023');

1 row created.

SQL> insert into student values(2,'Rose','MCA','2023');

1 row created.

SQL> select \* from student;

ROLLNO NAME COURSE YEAR

---------- -------------------- -------------------- ----------

1 Malavika MCA 2023

2 Rose MCA 2023

SQL> truncate table student;

Table truncated.

SQL> select \* from student;

no rows selected

SQL> create table employee(empid varchar(10) primary key,name varchar(20),department varchar(20),salary number(7,2),city varchar(20));

Table created.

SQL> desc student;

Name Null? Type

----------------------------------------- -------- ----------------------------

ROLLNO NOT NULL NUMBER(38)

NAME VARCHAR2(20)

COURSE VARCHAR2(20)

YEAR NUMBER(38)

SQL> desc employee;

Name Null? Type

----------------------------------------- -------- ----------------------------

EMPID NOT NULL VARCHAR2(10)

NAME VARCHAR2(20)

DEPARTMENT VARCHAR2(20)

SALARY NUMBER(7,2)

CITY VARCHAR2(20)

SQL> insert into employee values('e001','ram','sales',10000,'kozhikode');

1 row created.

SQL> insert into employee values('e002','mohan','finance',20000,'kochi');

1 row created.

SQL> insert into employee values(&empid,&name,&department,&salary,&city);

Enter value for empid: e003

Enter value for name: reek

Enter value for department: hr

Enter value for salary: 36000

Enter value for city: trivandrum

old 1: insert into employee values(&empid,&name,&department,&salary,&city)

new 1: insert into employee values(e003,reek,hr,36000,trivandrum)

insert into employee values(e003,reek,hr,36000,trivandrum)

\*

ERROR at line 1:

ORA-00984: column not allowed here

SQL> insert into employee values(&empid,&name,&department,&salary,&city);

Enter value for empid: 'e003'

Enter value for name: 'reek'

Enter value for department: 'hr'

Enter value for salary: 36000

Enter value for city: 'trivandrum'

old 1: insert into employee values(&empid,&name,&department,&salary,&city)

new 1: insert into employee values('e003','reek','hr',36000,'trivandrum')

1 row created.

SQL> insert into employee values('e004','luke','finance',14000,'kottayam');

1 row created.

SQL> insert into employee values('e005','jake','hr',34000,'kottayam');

1 row created.

SQL> select \* from employee;

EMPID NAME DEPARTMENT SALARY

---------- -------------------- -------------------- ----------

CITY

--------------------

e001 ram sales 10000

kozhikode

e002 mohan finance 20000

kochi

e003 reek hr 36000

trivandrum

EMPID NAME DEPARTMENT SALARY

---------- -------------------- -------------------- ----------

CITY

--------------------

e004 luke finance 14000

kottayam

e005 jake hr 34000

kottayam

SQL> select \* from employee where department='sales';

EMPID NAME DEPARTMENT SALARY

---------- -------------------- -------------------- ----------

CITY

--------------------

e001 ram sales 10000

kozhikode

SQL> select \* from employee where empid='e001';

EMPID NAME DEPARTMENT SALARY

---------- -------------------- -------------------- ----------

CITY

--------------------

e001 ram sales 10000

kozhikode

SQL> select \* from employee where salary between 7000 and 8000;

no rows selected

SQL> select \* from employee where salary between 10000 and 20000;

EMPID NAME DEPARTMENT SALARY

---------- -------------------- -------------------- ----------

CITY

--------------------

e001 ram sales 10000

kozhikode

e002 mohan finance 20000

kochi

e004 luke finance 14000

kottayam

SQL> select \* from employee order by name;

EMPID NAME DEPARTMENT SALARY

---------- -------------------- -------------------- ----------

CITY

--------------------

e005 jake hr 34000

kottayam

e004 luke finance 14000

kottayam

e002 mohan finance 20000

kochi

EMPID NAME DEPARTMENT SALARY

---------- -------------------- -------------------- ----------

CITY

--------------------

e001 ram sales 10000

kozhikode

e003 reek hr 36000

trivandrum

SQL> update employee set salary=250.00;

5 rows updated.

SQL> select \* from student;

no rows selected

SQL> select \* from employee;

EMPID NAME DEPARTMENT SALARY

---------- -------------------- -------------------- ----------

CITY

--------------------

e001 ram sales 250

kozhikode

e002 mohan finance 250

kochi

e003 reek hr 250

trivandrum

EMPID NAME DEPARTMENT SALARY

---------- -------------------- -------------------- ----------

CITY

--------------------

e004 luke finance 250

kottayam

e005 jake hr 250

kottayam

SQL> alter table employee add joining\_date date;

Table altered.

SQL> desc employee;

Name Null? Type

----------------------------------------- -------- ----------------------------

EMPID NOT NULL VARCHAR2(10)

NAME VARCHAR2(20)

DEPARTMENT VARCHAR2(20)

SALARY NUMBER(7,2)

CITY VARCHAR2(20)

JOINING\_DATE DATE

SQL> update student set joining\_date='08-feb-20';

update student set joining\_date='08-feb-20'

\*

ERROR at line 1:

ORA-00904: "JOINING\_DATE": invalid identifier

SQL> update employee set joining\_date='08-feb-20';

5 rows updated.

SQL> select \* from employee;

EMPID NAME DEPARTMENT SALARY

---------- -------------------- -------------------- ----------

CITY JOINING\_D

-------------------- ---------

e001 ram sales 250

kozhikode 08-FEB-20

e002 mohan finance 250

kochi 08-FEB-20

e003 reek hr 250

trivandrum 08-FEB-20

EMPID NAME DEPARTMENT SALARY

---------- -------------------- -------------------- ----------

CITY JOINING\_D

-------------------- ---------

e004 luke finance 250

kottayam 08-FEB-20

e005 jake hr 250

kottayam 08-FEB-20

SQL> drop table student;

Table dropped.

SQL> create table student(rollno int,name varchar(20),course varchar(20),year int);

Table created.

SQL> alter table student add primary key(rollno);

Table altered.

SQL> desc student;

Name Null? Type

----------------------------------------- -------- ----------------------------

ROLLNO NOT NULL NUMBER(38)

NAME VARCHAR2(20)

COURSE VARCHAR2(20)

YEAR NUMBER(38)

SQL>