SQL\*Plus: Release 12.1.0.1.0 Production on Fri Feb 9 15:38:32 2024

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Enter user-name: c23mca053@oracle

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Last Successful login time: Fri Feb 09 2024 11:05:31 +05:30

Connected to:

Oracle Database 12c Enterprise Edition Release 12.1.0.2.0 - 64bit Production

With the Partitioning, OLAP, Advanced Analytics and Real Application Testing options

SQL> tgherthy6rkutgtjmnccxnhfd,.io97c9u 8i cp

SP2-0734: unknown command beginning "tgherthy6r..." - rest of line ignored.

SQL> insert into employee values(&e\_no, '&e\_name', '&job', &sal);

Enter value for e\_no: 4

Enter value for e\_name: shijo

Enter value for job: manager

Enter value for sal: 50000

old 1: insert into employee values(&e\_no, '&e\_name', '&job', &sal)

new 1: insert into employee values(4, 'shijo', 'manager', 50000)

1 row created.

SQL> insert into employee values(&e\_no, '&e\_name', '&job', &sal);

Enter value for e\_no: 5

Enter value for e\_name: shaibin

Enter value for job: tester

Enter value for sal: 60000

old 1: insert into employee values(&e\_no, '&e\_name', '&job', &sal)

new 1: insert into employee values(5, 'shaibin', 'tester', 60000)

1 row created.

SQL> select \* from employee

2 ;

E\_ID E\_NAME JOB SAL

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1 sreyas CEO 500000

2 sreekanth clerk 10000

3 steffi clerk 10000

4 shijo manager 50000

5 shaibin tester 60000

SQL> select \* from employee;

E\_ID E\_NAME JOB SAL

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

1 sreyas CEO 500000

2 sreekanth clerk 10000

3 steffi clerk 10000

4 shijo manager 50000

5 shaibin tester 60000

SQL> alter table employee add(commission number);

Table altered.

SQL> desc employee

Name Null? Type

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

E\_ID NOT NULL NUMBER

E\_NAME VARCHAR2(20)

JOB VARCHAR2(20)

SAL NUMBER

COMMISSION NUMBER

SQL> update employee set e\_name='sanu' where e\_id=5;

1 row updated.

SQL> select \* from employee;

E\_ID E\_NAME JOB SAL COMMISSION

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1 sreyas CEO 500000

2 sreekanth clerk 10000

3 steffi clerk 10000

4 shijo manager 50000

5 sanu tester 60000

SQL> alter table employee rename(sal to salary);

alter table employee rename(sal to salary)

\*

ERROR at line 1:

ORA-14155: missing PARTITION, PARTITIONS, SUBPARTITION, or SUBPARTITIONS

keyword

SQL> alter table employee rename sal to salary;

alter table employee rename sal to salary

\*

ERROR at line 1:

ORA-14155: missing PARTITION, PARTITIONS, SUBPARTITION, or SUBPARTITIONS

keyword

SQL> alter table employee rename column sal to salary;

Table altered.

SQL> desc employee

Name Null? Type

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

E\_ID NOT NULL NUMBER

E\_NAME VARCHAR2(20)

JOB VARCHAR2(20)

SALARY NUMBER

COMMISSION NUMBER

SQL> select \* from employee;

E\_ID E\_NAME JOB SALARY COMMISSION

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

1 sreyas CEO 500000

2 sreekanth clerk 10000

3 steffi clerk 10000

4 shijo manager 50000

5 sanu tester 60000

SQL> delete from employee where e\_id=5;

1 row deleted.

SQL> select \* from employee;

E\_ID E\_NAME JOB SALARY COMMISSION

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1 sreyas CEO 500000

2 sreekanth clerk 10000

3 steffi clerk 10000

4 shijo manager 50000

SQL>

2) Create department table with the following structure.

|  |  |
| --- | --- |
| **Name** | **Type** |
| Dept\_no | Number |
| Dept\_name | Varchar(20) |
| Location | Varchar(20) |

a) Add column designation to the department table

b) insert values to the table

c) list the records of department table grouped by dept\_no

d) update the record where dept no is 9

e) delete any column from the table

SQL> create table department (dept\_no number(10) PRIMARY KEY, dept\_name varchar(20), location varchar (20));

Table created.

SQL> desc department

Name Null? Type

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

DEPT\_NO NOT NULL NUMBER(10)

DEPT\_NAME VARCHAR2(20)

LOCATION VARCHAR2(20)

a) SQL> alter table department add(designation varchar(20));

Table altered.

SQL> desc department

Name Null? Type

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

DEPT\_NO NOT NULL NUMBER(10)

DEPT\_NAME VARCHAR2(20)

LOCATION VARCHAR2(20)

DESIGNATION VARCHAR2(20)

b)

SQL> insert into department values(&dept\_no, '&dept\_name', '&location', '&designation');

Enter value for dept\_no: 1

Enter value for dept\_name: MCA

Enter value for location: palai

Enter value for designation: HOD

old 1: insert into department values(&dept\_no, '&dept\_name', '&location', '&designation')

new 1: insert into department values(1, 'MCA', 'palai', 'HOD')

1 row created.

SQL> insert into department values(&dept\_no, '&dept\_name', '&location', '&designation');

Enter value for dept\_no: 2

Enter value for dept\_name: MBA

Enter value for location: choondacherry

Enter value for designation: Faculty

old 1: insert into department values(&dept\_no, '&dept\_name', '&location', '&designation')

new 1: insert into department values(2, 'MBA', 'choondacherry', 'Faculty')

1 row created.

SQL> insert into department values(&dept\_no, '&dept\_name', '&location', '&designation');

Enter value for dept\_no: 3

Enter value for dept\_name: Computer Science

Enter value for location: Kottayam

Enter value for designation: Network Assistant

old 1: insert into department values(&dept\_no, '&dept\_name', '&location', '&designation')

new 1: insert into department values(3, 'Computer Science', 'Kottayam', 'Network Assistant')

1 row created.

SQL> insert into department values(&dept\_no, '&dept\_name', '&location', '&designation');

Enter value for dept\_no: 9

Enter value for dept\_name: Mathematics

Enter value for location: bharananganam

Enter value for designation: Teacher

old 1: insert into department values(&dept\_no, '&dept\_name', '&location', '&designation')

new 1: insert into department values(9, 'Mathematics', 'bharananganam', 'Teacher ')

1 row created.

SQL> select \* from department;

DEPT\_NO DEPT\_NAME LOCATION DESIGNATION

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1 MCA palai HOD

2 MBA choondacherry Faculty

3 Computer Science Kottayam Network Assistant

9 Mathematics bharananganam Teacher

c) SQL> select dept\_no from department group by dept\_no;

DEPT\_NO

----------

1

2

3

9

d) SQL> update department set dept\_name='Maths' where dept\_no=9;

1 row updated.

SQL> select \* from department;

DEPT\_NO DEPT\_NAME LOCATION DESIGNATION

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

1 MCA palai HOD

2 MBA choondacherry Faculty

3 Computer Science Kottayam Network Assistant

9 Maths bharananganam Teacher

e) SQL> alter table department drop(designation);

Table altered.

SQL> desc department

Name Null? Type

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

DEPT\_NO NOT NULL NUMBER(10)

DEPT\_NAME VARCHAR2(20)

LOCATION VARCHAR2(20)

SQL>

3) Create a table called customer with the following field.

|  |  |
| --- | --- |
| **Name** | **Type** |
| Cust\_name | Varchar(20) |
| Cust\_street | Varchar(20) |
| Cust\_city | Varchar(20) |

a) insert records into the table

b) add salary table to the column

c) alter the table column domain

d) drop salary table of the customer table

e) Delete the rows of customer table whose cust\_city is ‘hydrabad’.

SQL> create table customer (CustName varchar(20) PRIMARY KEY, CustStreet varchar(20), CustCity varchar(20));

Table created.

SQL> desc customer

Name Null? Type

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

CUSTNAME NOT NULL VARCHAR2(20)

CUSTSTREET VARCHAR2(20)

CUSTCITY VARCHAR2(20)

a) SQL> insert into customer values('&CustName', '&CustStreet', '&CustCity');

Enter value for custname: sreyas

Enter value for custstreet: Thoppippala

Enter value for custcity: Kattappana

old 1: insert into customer values('&CustName', '&CustStreet', '&CustCity')

new 1: insert into customer values('sreyas', 'Thoppippala', 'Kattappana')

1 row created.

SQL> insert into customer values('&CustName', '&CustStreet', '&CustCity');

Enter value for custname: sreekanth

Enter value for custstreet: Kumbazha

Enter value for custcity: Pathanamthitta

old 1: insert into customer values('&CustName', '&CustStreet', '&CustCity')

new 1: insert into customer values('sreekanth', 'Kumbazha', 'Pathanamthitta')

1 row created.

SQL> insert into customer values('&CustName', '&CustStreet', '&CustCity');

Enter value for custname: Shijo

Enter value for custstreet: Theekoi

Enter value for custcity: Kottayam

old 1: insert into customer values('&CustName', '&CustStreet', '&CustCity')

new 1: insert into customer values('Shijo', 'Theekoi', 'Kottayam')

1 row created.

SQL> insert into customer values('&CustName', '&CustStreet', '&CustCity');

Enter value for custname: Steffi

Enter value for custstreet: Payappar

Enter value for custcity: Palai

old 1: insert into customer values('&CustName', '&CustStreet', '&CustCity')

new 1: insert into customer values('Steffi', 'Payappar', 'Palai')

1 row created.

SQL> select \* from customer;

CUSTNAME CUSTSTREET CUSTCITY

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sreyas Thoppippala Kattappana

sreekanth Kumbazha Pathanamthitta

Shijo Theekoi Kottayam

Steffi Payappar Palai

b) SQL> alter table customer add(salary number(10));

Table altered.

SQL> desc customer

Name Null? Type

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

CUSTNAME NOT NULL VARCHAR2(20)

CUSTSTREET VARCHAR2(20)

CUSTCITY VARCHAR2(20)

SALARY NUMBER(10)

d) SQL> alter table customer drop(salary);

Table altered.

SQL> desc customer;

Name Null? Type

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

CUSTNAME NOT NULL VARCHAR2(20)

CUSTSTREET VARCHAR2(20)

CUSTCITY VARCHAR2(20)

e) SQL> delete from customer where CustCity='hydrabad';

1 row deleted.

SQL> select \* from customer;

CUSTNAME CUSTSTREET CUSTCITY

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sreyas Thoppippala Kattappana

sreekanth Kumbazha Pathanamthitta

Shijo Theekoi Kottayam

Steffi Payappar Palai