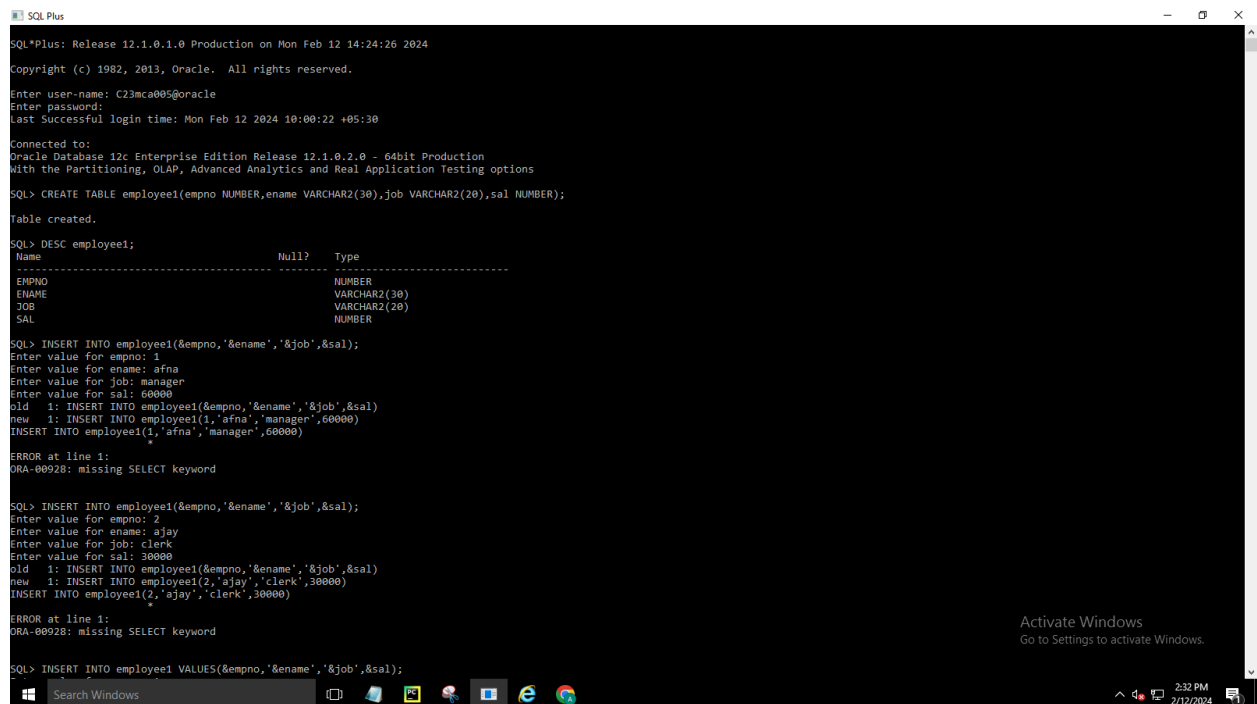


```
SQL> CREATE TABLE employee1(empno NUMBER,ename VARCHAR2(30),job
VARCHAR2(20),sal NUMBER);
```

Table created.

```
SQL> DESC employee1;
```

Name	Null?	Type
EMPNO		NUMBER
ENAME		VARCHAR2(30)
JOB		VARCHAR2(20)
SAL		NUMBER



```
SQL*Plus: Release 12.1.0.1.0 Production on Mon Feb 12 14:24:26 2024
Copyright (c) 1982, 2013, Oracle. All rights reserved.
Enter user-name: C23mca005@oracle
Enter password:
Last Successful login time: Mon Feb 12 2024 10:00:22 +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> CREATE TABLE employee1(empno NUMBER,ename VARCHAR2(30),job VARCHAR2(20),sal NUMBER);
Table created.

SQL> DESC employee1;
Name Null? Type
-----
EMPNO NUMBER
ENAME VARCHAR2(30)
JOB VARCHAR2(20)
SAL NUMBER

SQL> INSERT INTO employee1(&empno,&ename,&job,&sal);
Enter value for empno: 1
Enter value for ename: afna
Enter value for job: manager
Enter value for sal: 60000
old 1: INSERT INTO employee1(&empno,&ename,&job,&sal)
new 1: INSERT INTO employee1(1,'afna','manager',60000)
INSERT INTO employee1(1,'afna','manager',60000)

ERROR at line 1:
ORA-00928: missing SELECT keyword

SQL> INSERT INTO employee1(&empno,&ename,&job,&sal);
Enter value for empno: 2
Enter value for ename: ajay
Enter value for job: clerk
Enter value for sal: 30000
old 1: INSERT INTO employee1(&empno,&ename,&job,&sal)
new 1: INSERT INTO employee1(2,'ajay','clerk',30000)
INSERT INTO employee1(2,'ajay','clerk',30000)

ERROR at line 1:
ORA-00928: missing SELECT keyword

SQL> INSERT INTO employee1 VALUES(&empno,&ename,&job,&sal);
```

```
SQL> INSERT INTO employee1 VALUES(&empno,&ename,&job,&sal);
```

Enter value for empno: 1

Enter value for ename: afna

Enter value for job: manager

Enter value for sal: 60000

old 1: INSERT INTO employee1 VALUES(&empno,&ename,&job,&sal)

new 1: INSERT INTO employee1 VALUES(1,'afna','manager',60000)

1 row created.

```
SQL> INSERT INTO employee1 VALUES(&empno,&ename,&job,&sal);
```

Enter value for empno: 2

Enter value for ename: ajay

Enter value for job: clerk

Enter value for sal: 30000

old 1: INSERT INTO employee1 VALUES(&empno,&ename,&job,&sal)

new 1: INSERT INTO employee1 VALUES(2,'ajay','clerk',30000)

1 row created.

SQL> 3

SP2-0226: Invalid line number

SQL> INSERT INTO employee1 VALUES(&empno,&ename,&job,&sal);

Enter value for empno: 3

Enter value for ename: aditya

Enter value for job: clerk

Enter value for sal: 30000

old 1: INSERT INTO employee1 VALUES(&empno,&ename,&job,&sal)

new 1: INSERT INTO employee1 VALUES(3,'aditya','clerk',30000)

1 row created.

SQL> SELECT * FROM employee1;

EMPNO	ENAME	JOB	SAL
1	afna	manager	60000
2	ajay	clerk	30000
3	aditya	clerk	30000

```
SQL Plus
SQL> INSERT INTO employee1 VALUES(&empno,&ename,&job,&sal);
Enter value for empno: 1
Enter value for ename: afna
Enter value for job: manager
Enter value for sal: 60000
old 1: INSERT INTO employee1 VALUES(&empno,&ename,&job,&sal)
new 1: INSERT INTO employee1 VALUES(1,'afna','manager',60000)
1 row created.

SQL> INSERT INTO employee1 VALUES(&empno,&ename,&job,&sal);
Enter value for empno: 2
Enter value for ename: ajay
Enter value for job: clerk
Enter value for sal: 30000
old 1: INSERT INTO employee1 VALUES(&empno,&ename,&job,&sal)
new 1: INSERT INTO employee1 VALUES(2,'ajay','clerk',30000)
1 row created.

SQL> 3
SP2-0226: Invalid line number
SQL> INSERT INTO employee1 VALUES(&empno,&ename,&job,&sal);
Enter value for empno: 3
Enter value for ename: aditya
Enter value for job: clerk
Enter value for sal: 30000
old 1: INSERT INTO employee1 VALUES(&empno,&ename,&job,&sal)
new 1: INSERT INTO employee1 VALUES(3,'aditya','clerk',30000)
1 row created.

SQL> SELECT * FROM employee1;

  EMPNO ENAME      JOB      SAL
-----
    1 afna      manager  60000
    2 ajay       clerk   30000
    3 aditya     clerk   30000

SQL>
```

SQL> ALTER TABLE employee1 ADD(commission NUMBER);

Table altered.

```
SQL> SELECT * FROM employee1;
```

EMPNO	ENAME	JOB	SAL
1	afna	manager	60000
2	ajay	clerk	30000
3	aditya	clerk	30000

```
SQL> SET LINESIZE200
```

```
SQL> SELECT * FROM employee1;
```

EMPNO	ENAME	JOB	SAL	COMMISSION
1	afna	manager	60000	
2	ajay	clerk	30000	
3	aditya	clerk	30000	

```
SQL> ALTER TABLE employee1 ADD(commission NUMBER);
Table altered.
SQL> SELECT * FROM employee1;

EMPNO  ENAME      JOB      SAL
-----
1      afna       manager  60000
2      ajay       clerk    30000
3      aditya     clerk    30000

SQL> SET LINESIZE200
SQL> SELECT * FROM employee1;

EMPNO  ENAME      JOB      SAL  COMMISSION
-----
1      afna       manager  60000
2      ajay       clerk    30000
3      aditya     clerk    30000

SQL>
```

```
SQL> UPDATE employee1 SET job='trainee' WHERE empno=2;
```

1 row updated.

SQL> SELECT * FROM employee1;

EMPNO	ENAME	JOB	SAL	COMMISSION
1	afna	manager	60000	
2	ajay	trainee	30000	
3	aditya	clerk	30000	

SQL> ALTER TABLE employee1 RENAME sal to salary;

ALTER TABLE employee1 RENAME sal to salary
*

ERROR at line 1:

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

SQL> DELETE employee1 WHERE empno=2;

1 row deleted.

SQL> SELECT * FROM employee1;

EMPNO	ENAME	JOB	SAL	COMMISSION
1	afna	manager	60000	
3	aditya	clerk	30000	

SQL> ALTER TABLE employee1 RENAME COLUMN sal to salary;

Table altered.

SQL> SELECT * FROM employee1;

EMPNO	ENAME	JOB	SALARY	COMMISSION
1	afna	manager	60000	
3	aditya	clerk	30000	

```

SQL> UPDATE employee1 SET job='trainee' WHERE empno=2;
1 row updated.

SQL> SELECT * FROM employee1;

EMPNO ENAME          JOB              SAL COMMISSION
-----
1 afna              manager          60000
2 ajay              trainee          30000
3 aditya            clerk            30000

SQL> ALTER TABLE employee1 RENAME sal to salary;
ALTER TABLE employee1 RENAME sal to salary
*
ERROR at line 1:
ORA-14155: missing PARTITION, PARTITIONS, SUBPARTITION, or SUBPARTITIONS keyword

SQL> DELETE employee1 WHERE empno=2;
1 row deleted.

SQL> SELECT * FROM employee1;

EMPNO ENAME          JOB              SAL COMMISSION
-----
1 afna              manager          60000
3 aditya            clerk            30000

SQL> ALTER TABLE employee1 RENAME COLUMN sal to salary;
Table altered.

SQL> SELECT * FROM employee1;

EMPNO ENAME          JOB              SALARY COMMISSION
-----
1 afna              manager          60000
3 aditya            clerk            30000

SQL>

```

```
SQL> CREATE TABLE department (deptno NUMBER,deptname VARCHAR2(10),location VARCHAR2(10));
```

Table created.

```
SQL> DESC department
```

Name	Null?	Type
DEPTNO		NUMBER
DEPTNAME		VARCHAR2(10)
LOCATION		VARCHAR2(10)

```
SQL> INSERT INTO department VALUES(&deptno,&deptname','&location','&designation');
```

Enter value for deptno: 1

Enter value for deptname: mca

Enter value for location: main block

Enter value for designation: rtty

old 1: INSERT INTO department VALUES(&deptno,&deptname','&location','&designation')

new 1: INSERT INTO department VALUES(1,'mca','main block','rtty')

INSERT INTO department VALUES(1,'mca','main block','rtty')

*

ERROR at line 1:

ORA-00913: too many values

```
SQL> INSERT INTO department VALUES(&deptno,&deptname,&location');
Enter value for deptno: 1
Enter value for deptname: mca
Enter value for location: main block
old 1: INSERT INTO department VALUES(&deptno,&deptname,&location')
new 1: INSERT INTO department VALUES(1,'mca','main block')
```

1 row created.

```
SQL> 2
SP2-0226: Invalid line number
SQL> mba
SP2-0042: unknown command "mba" - rest of line ignored.
SQL> INSERT INTO department VALUES(&deptno,&deptname,&location');
Enter value for deptno: 2
Enter value for deptname: mba
Enter value for location: pg block
old 1: INSERT INTO department VALUES(&deptno,&deptname,&location')
new 1: INSERT INTO department VALUES(2,'mba','pg block')
```

1 row created.

```
SQL> INSERT INTO department VALUES(&deptno,&deptname,&location');
Enter value for deptno: 3
Enter value for deptname: ma
Enter value for location: main block
old 1: INSERT INTO department VALUES(&deptno,&deptname,&location')
new 1: INSERT INTO department VALUES(3,'ma','main block')
```

1 row created.

```
SQL> SELECT * from department;
```

DEPTNO	DEPTNAME	LOCATION
1	mca	main block
2	mba	pg block
3	ma	main block

```
SQL Plus
SQL> INSERT INTO department VALUES(&deptno,&deptname,&location);
Enter value for deptno: 1
Enter value for deptname: mca
Enter value for location: main block
old 1: INSERT INTO department VALUES(&deptno,&deptname,&location')
new 1: INSERT INTO department VALUES(1,'mca','main block')
1 row created.

SQL> 2
SP2-0226: Invalid line number
SQL> mba
SP2-0042: unknown command "mba" - rest of line ignored.
SQL> INSERT INTO department VALUES(&deptno,&deptname,&location);
Enter value for deptno: 2
Enter value for deptname: mba
Enter value for location: pg block
old 1: INSERT INTO department VALUES(&deptno,&deptname,&location')
new 1: INSERT INTO department VALUES(2,'mba','pg block')
1 row created.

SQL> INSERT INTO department VALUES(&deptno,&deptname,&location);
Enter value for deptno: 3
Enter value for deptname: ma
Enter value for location: main block
old 1: INSERT INTO department VALUES(&deptno,&deptname,&location')
new 1: INSERT INTO department VALUES(3,'ma','main block')
1 row created.

SQL> SELECT * from department;

DEPTNO DEPTNAME LOCATION
-----
1 mca      main block
2 mba      pg block
3 ma       main block

SQL>
```

SQL> CREATE TABLE customer(custname VARCHAR2(20),custstreet VARCHAR2(20),custcity VARCHAR2(20));

Table created.

```
SQL> INSERT INTO customer VALUES('&custname','&custstreet','&custcity');
Enter value for custname: afna
Enter value for custstreet: petta
Enter value for custcity: kottayam
old 1: INSERT INTO customer VALUES('&custname','&custstreet','&custcity')
new 1: INSERT INTO customer VALUES('afna','petta','kottayam')
1 row created.
```

```
SQL> INSERT INTO customer VALUES('&custname','&custstreet','&custcity');
Enter value for custname: ajay
Enter value for custstreet: elanji
Enter value for custcity: koothattukulam
old 1: INSERT INTO customer VALUES('&custname','&custstreet','&custcity')
new 1: INSERT INTO customer VALUES('ajay','elanji','koothattukulam')
```

1 row created.

```
SQL> INSERT INTO customer VALUES('&custname','&custstreet','&custcity');
```

Enter value for custname: aditya

Enter value for custstreet: eravimangalam

Enter value for custcity: kottayam

```
old 1: INSERT INTO customer VALUES('&custname','&custstreet','&custcity')
```

```
new 1: INSERT INTO customer VALUES('aditya','eravimangalam','kottayam')
```

1 row created.

```
SQL> DESC customer;
```

Name	Null?	Type
CUSTNAME		VARCHAR2(20)
CUSTSTREET		VARCHAR2(20)
CUSTCITY		VARCHAR2(20)

```
SQL> SELECT * FROM customer;
```

CUSTNAME	CUSTSTREET	CUSTCITY
afna	petta	kottayam
ajay	elanji	koothattukulam
aditya	eravimangalam	kottayam

```
SQL> ALTER TABLE customer ADD(salary NUMBER);
```

Table altered.

```
SQL> SELECT * FROM customer;
```

CUSTNAME	CUSTSTREET	CUSTCITY	SALARY
afna	petta	kottayam	
ajay	elanji	koothattukulam	
aditya	eravimangalam	kottayam	

```
SQL> UPDATE customer SET salary='25000' WHERE custname='afna';
```

1 row updated.

SQL> SELECT * FROM customer;

CUSTNAME	CUSTSTREET	CUSTCITY	SALARY
afna	petta	kottayam	25000
ajay	elanji	koothattukulam	
aditya	eravimangalam	kottayam	

SQL> UPDATE customer SET salary='30000' WHERE custname='ajay';

1 row updated.

SQL> UPDATE customer SET salary='25000' WHERE custname='aditya';

1 row updated.

SQL> SELECT * FROM customer;

CUSTNAME	CUSTSTREET	CUSTCITY	SALARY
afna	petta	kottayam	25000
ajay	elanji	koothattukulam	30000
aditya	eravimangalam	kottayam	25000

SQL> ALTER TABLE customer DROP (salary);

Table altered.

SQL> SELECT * FROM customer;

CUSTNAME	CUSTSTREET	CUSTCITY
afna	petta	kottayam
ajay	elanji	koothattukulam
aditya	eravimangalam	kottayam

SQL> DELETE customer WHERE custcity='kottayam';

2 rows deleted.

SQL> SELECT * FROM customer;

CUSTNAME	CUSTSTREET	CUSTCITY
ajay	elanji	koothattukulam

```
SQL> CREATE TABLE employee (empno NUMBER(10) PRIMARY KEY,ename
VARCHAR2(30),job VARCHAR2(20),salary NUMBER);
```

Table created.

```
SQL> INSERT INTO employee VALUES(&empno,&ename,&job,&salary);
```

Enter value for empno: 1

Enter value for ename: chacko

Enter value for job: clerk

Enter value for salary: 30000

old 1: INSERT INTO employee VALUES(&empno,&ename,&job,&salary)

new 1: INSERT INTO employee VALUES(1,'chacko','clerk',30000)

1 row created.

```
SQL> INSERT INTO employee VALUES(&empno,&ename,&job,&salary);
```

Enter value for empno: 2

Enter value for ename: thomas

Enter value for job: manager

Enter value for salary: 60000

old 1: INSERT INTO employee VALUES(&empno,&ename,&job,&salary)

new 1: INSERT INTO employee VALUES(2,'thomas','manager',60000)

1 row created.

```
SQL> INSERT INTO employee VALUES(&empno,&ename,&job,&salary);
```

Enter value for empno: 3

Enter value for ename: antony

Enter value for job: clerk

Enter value for salary: 30000

old 1: INSERT INTO employee VALUES(&empno,&ename,&job,&salary)

new 1: INSERT INTO employee VALUES(3,'antony','clerk',30000)

1 row created.

```
SQL> INSERT INTO employee VALUES(&empno,&ename,&job,&salary);
```

Enter value for empno: 4

Enter value for ename: adam

Enter value for job: manager

Enter value for salary: 60000

old 1: INSERT INTO employee VALUES(&empno,&ename,&job,&salary)

new 1: INSERT INTO employee VALUES(4,'adam','manager',60000)

1 row created.

SQL> INSERT INTO employee VALUES(&empno,&ename,&job,&salary);

Enter value for empno: 5

Enter value for ename: afna

Enter value for job: manager

Enter value for salary: 60000

old 1: INSERT INTO employee VALUES(&empno,&ename,&job,&salary)

new 1: INSERT INTO employee VALUES(5,'afna','manager',60000)

1 row created.

SQL> SELECT * FROM employee;

EMPNO	ENAME	JOB	SALARY
1	chacko	clerk	30000
2	thomas	manager	60000
3	antony	clerk	30000
4	adam	manager	60000
5	afna	manager	60000

SQL> SELECT ename,salary FROM employee;

ENAME	SALARY
chacko	30000
thomas	60000
antony	30000
adam	60000
afna	60000

SQL> SELECT ename,salary FROM employee WHERE salary<50000;

ENAME	SALARY
chacko	30000
antony	30000

```
SQL> SELECT ename,salary FROM employee WHERE job=clerk;  
SELECT ename,salary FROM employee WHERE job=clerk
```

*

ERROR at line 1:
ORA-00904: "CLERK": invalid identifier

```
SQL> SELECT ename,salary FROM employee WHERE job='clerk';
```

ENAME	SALARY
-------	--------

chacko	30000
antony	30000

```
SQL> SELECT ename, FROM employee WHERE empno='2';  
SELECT ename, FROM employee WHERE empno='2'
```

*

ERROR at line 1:
ORA-00936: missing expression

```
SQL> SELECT ename, FROM employee WHERE empno=2;  
SELECT ename, FROM employee WHERE empno=2
```

*

ERROR at line 1:
ORA-00936: missing expression

```
SQL> SELECT ename FROM employee WHERE empno=2;
```

ENAME

thomas

```
SQL> ALTER TABLE employee ADD(commission NUMBER);
```

Table altered.

```
SQL> SELECT * FROM employee;
```

EMPNO	ENAME	JOB	SALARY
COMMISSION			

```

-----
1 chacko      clerk      30000

2 thomas      manager     60000

3 antony      clerk      30000

```

```

EMPNO ENAME      JOB      SALARY
-----
COMMISSION
-----

```

```

4 adam      manager     60000

5 afna      manager     60000

```

SQL> SET linesize 200

SQL> SELECT * FROM employee;

```

EMPNO ENAME      JOB      SALARY COMMISSION
-----
1 chacko      clerk      30000
2 thomas      manager     60000
3 antony      clerk      30000
4 adam      manager     60000
5 afna      manager     60000

```

SQL> UPDATE employee SET job='trainee' WHERE empno=4;

1 row updated.

SQL> SELECT * FROM employee;

```

EMPNO ENAME      JOB      SALARY COMMISSION
-----
1 chacko      clerk      30000
2 thomas      manager     60000
3 antony      clerk      30000

```

4 adam	trainee	60000
5 afna	manager	60000

SQL> DELETE employee WHERE empno=1;

1 row deleted.

SQL> SELECT * FROM employee;

EMPNO	ENAME	JOB	SALARY	COMMISSION
2	thomas	manager	60000	
3	antony	clerk	30000	
4	adam	trainee	60000	
5	afna	manager	60000	

SQL>