create table emp(empno number(03)primary key,empname varchar(15),job varchar(25),salary number(15),commission number(10),depno number(05));

Table created.

SQL> commit

SQL> insert into emp values(&empno,'&empname','&job',&salary,&commission,&depno);

Enter value for empno: 01

Enter value for empname: lkkj

Enter value for job: polm

Enter value for salary: 5062

Enter value for commission: 250

Enter value for depno: 05

old 1: insert into emp values(&empno,'&empname','&job',&salary,&commission,&depno)

new 1: insert into emp values(01,'lkkj','polm',5062,250,05)

1 row created.

SQL> desc emp

|  |  |  |
| --- | --- | --- |
| Name | Null? | Type |
| EMPNO | NOT NULL | NUMBER(4) |
| ENAME |  | VARCHAR2(20) |
| JOB |  | VARCHAR2(20) |
| SALARY |  | VARCHAR2(20) |
| COMMISSION |  | NUMBER(20) |
| DEPNO |  | NUMBER(4) |

SQL> insert into emp values(&empno,'&empname','&job',&salary,&commission,&depno);

Enter value for empno: 02

Enter value for empname: fidha

Enter value for job: developer

Enter value for salary: 50000

Enter value for commission: 230

Enter value for depno: 03

old 1: insert into emp values(&empno,'&empname','&job',&salary,&commission,&depno)

new 1: insert into emp values(02,'fidha','developer',50000,230,03)

1 row created.

SQL> insert into emp values(&empno,'&empname','&job',&salary,&commission,&depno);

Enter value for empno: 03

Enter value for empname: milan

Enter value for job: geologist

Enter value for salary: 146000

Enter value for commission: 600

Enter value for depno: 04

old 1: insert into emp values(&empno,'&empname','&job',&salary,&commission,&depno)

new 1: insert into emp values(03,'milan','geologist',146000,600,04)

1 row created.

SQL> select \* from emp

2

SQL> select \* from emp;

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  |  |  |  |  |

EMPNO ENAME JOB SALARY COMMISSION

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

DEPNO

----------

1 lkkj polm 5062 250

5

2 fidha developer 50000 230

3

3 milan geologist 146000 600

4

EMPNO ENAME JOB SALARY COMMISSION

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

DEPNO

----------

12 joyal engineer 50000 200

2

13 george software developer 500000 250

2

SQL> select \* from emp2;

no rows selected

SQL> set linespace;

SP2-0158: unknown SET option "linespace"

SQL> set linelength 100;

SP2-0158: unknown SET option "linelength"

SQL> set linesize 100;

SQL> select \* from emp;

EMPNO ENAME JOB SALARY COMMISSION DEPNO

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

1 lkkj polm 5062 250 5

2 fidha developer 50000 230 3

3 milan geologist 146000 600 4

12 joyal engineer 50000 200 2

13 george software developer 500000 250 2

SQL> updat emp set job='clerk' where job='polm';

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

SQL> update emp set job='clerk' where job='polm';

1 row updated.

SQL> select \* from emp;

EMPNO ENAME JOB SALARY COMMISSION DEPNO

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

1 lkkj clerk 5062 250 5

2 fidha developer 50000 230 3

3 milan geologist 146000 600 4

12 joyal engineer 50000 200 2

13 george software developer 500000 250 2

SQL> alter table emp add(date\_of\_join);

alter table emp add(date\_of\_join)

\*

ERROR at line 1:

ORA-02263: need to specify the datatype for this column

SQL> alter table emp add(date\_of\_join date);

Table altered.

SQL> select \* from emp;

EMPNO ENAME JOB SALARY COMMISSION DEPNO DATE\_OF\_J

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

1 lkkj clerk 5062 250 5

2 fidha developer 50000 230 3

3 milan geologist 146000 600 4

12 joyal engineer 50000 200 2

13 george software developer 500000 250 2

SQL> update emp set date\_of\_join '10-Oct\_2021'

2

SQL> update emp set date\_of\_join '10-Oct\_2021';

update emp set date\_of\_join '10-Oct\_2021'

\*

ERROR at line 1:

ORA-00927: missing equal sign

SQL> update emp set date\_of\_join='10-Oct\_2021';

5 rows updated.

SQL> select \* from emp;

EMPNO ENAME JOB SALARY COMMISSION DEPNO DATE\_OF\_J

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

1 lkkj clerk 5062 250 5 10-OCT-21

2 fidha developer 50000 230 3 10-OCT-21

3 milan geologist 146000 600 4 10-OCT-21

12 joyal engineer 50000 200 2 10-OCT-21

13 george software developer 500000 250 2 10-OCT-21

SQL> select distinct job from emp;

JOB

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

developer

clerk

engineer

geologist

software developer

SQL> selct empno,empname,job from emp;

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

SQL> select empno,empname,job from emp;

select empno,empname,job from emp

\*

ERROR at line 1:

ORA-00904: "EMPNAME": invalid identifier

SQL> select empno,ename,job from emp;

EMPNO ENAME JOB

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

1 lkkj clerk

2 fidha developer

3 milan geologist

12 joyal engineer

13 george software developer

SQL> select empname from emp where deptno=3 or deptno=2

2 select ename from emp where deptno=3 or deptno=2

3 select ename from emp where deptno=3 or deptno=2;

select ename from emp where deptno=3 or deptno=2

\*

ERROR at line 2:

ORA-00933: SQL command not properly ended

SQL> select ename from emp where deptno=3 or deptno=2;

select ename from emp where deptno=3 or deptno=2

\*

ERROR at line 1:

ORA-00904: "DEPTNO": invalid identifier

SQL> select ename from emp where depno=3 or deptno=2;

select ename from emp where depno=3 or deptno=2

\*

ERROR at line 1:

ORA-00904: "DEPTNO": invalid identifier

SQL> select ename from emp where depno=3 or depno=2;

ENAME

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

fidha

joyal

george

SQL> commit;

Commit complete.

SQL> select ename,sum(salary+commission) from emp;

select ename,sum(salary+commission) from emp

\*

ERROR at line 1:

ORA-00937: not a single-group group function

SQL> select ename,sum(salary+commission) from emp;

select ename,sum(salary+commission) from emp

\*

ERROR at line 1:

ORA-00937: not a single-group group function

SQL> select sum(salary+commission) from emp;

SUM(SALARY+COMMISSION)

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

752592

SQL> select sum(salary+commission) groupby name;

select sum(salary+commission) groupby name

\*

ERROR at line 1:

ORA-00923: FROM keyword not found where expected

SQL> select sum(salary+commission)from groupby name;

select sum(salary+commission)from groupby name

\*

ERROR at line 1:

ORA-00942: table or view does not exist

SQL> commit

2 commit;

commit

\*

ERROR at line 2:

ORA-02185: a token other than WORK follows COMMIT

SQL> commit;

Commit complete.

SQL> select sum(salary+commission)groupby ename;

select sum(salary+commission)groupby ename

\*

ERROR at line 1:

ORA-00923: FROM keyword not found where expected

SQL> select sum(salary+commission)from emp groupby ename;

select sum(salary+commission)from emp groupby ename

\*

ERROR at line 1:

ORA-00933: SQL command not properly ended

SQL> select sum(salary+commission)from emp groupby ename;

select sum(salary+commission)from emp groupby ename

\*

ERROR at line 1:

ORA-00933: SQL command not properly ended

SQL> select sum(salary)from emp groupby ename;

select sum(salary)from emp groupby ename

\*

ERROR at line 1:

ORA-00933: SQL command not properly ended

SQL> select sum(salary)from emp where groupby ename;

select sum(salary)from emp where groupby ename

\*

ERROR at line 1:

ORA-00920: invalid relational operator

SQL> select sum(salary+commission)from emp groupby ename;

select sum(salary+commission)from emp groupby ename

\*

ERROR at line 1:

ORA-00933: SQL command not properly ended

SQL> select sum(salary+commission)from emp group by ename;

SUM(SALARY+COMMISSION)

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

50230

5312

50200

146600

500250

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

ENAME SUM(SALARY+COMMISSION)

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

fidha 50230

lkkj 5312

joyal 50200

milan 146600

george 500250

SQL> select sum(salary+commission)from emp;

SUM(SALARY+COMMISSION)

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

752592

SQL> select sum(salary+commission)from emp as sal;

select sum(salary+commission)from emp as sal

\*

ERROR at line 1:

ORA-00933: SQL command not properly ended

SQL> select sum(salary+commission)from emp;

SUM(SALARY+COMMISSION)

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

752592

SQL> select sum(salary+commission) as sal from emp;

SAL

----------

752592

SQL> update emp set salary=salary+commission;

5 rows updated.

SQL> drop commission;

drop commission

\*

ERROR at line 1:

ORA-00950: invalid DROP option

SQL> drop column commission;

drop column commission

\*

ERROR at line 1:

ORA-00950: invalid DROP option

SQL> alter table emp drop commission

2 alter table emp drop commission;

alter table emp drop commission

\*

ERROR at line 1:

ORA-00905: missing keyword

SQL> alter table emp drop commission;

alter table emp drop commission

\*

ERROR at line 1:

ORA-00905: missing keyword

SQL> alter table emp drop (commission);

Table altered.

SQL> select \* from emp;

EMPNO ENAME JOB SALARY DEPNO DATE\_OF\_J

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

1 lkkj clerk 5312 5 10-OCT-21

2 fidha developer 50230 3 10-OCT-21

3 milan geologist 146600 4 10-OCT-21

12 joyal engineer 50200 2 10-OCT-21

13 george software developer 500250 2 10-OCT-21

SQL> select ename,salary from emp where in(select salary from emp);

select ename,salary from emp where in(select salary from emp)

\*

ERROR at line 1:

ORA-00936: missing expression

SQL> select ename,salary from emp wherein(select salary from emp);

select ename,salary from emp wherein(select salary from emp)

\*

ERROR at line 1:

ORA-00933: SQL command not properly ended

SQL> select ename,salary from emp where in(select salary from emp);

select ename,salary from emp where in(select salary from emp)

\*

ERROR at line 1:

ORA-00936: missing expression

SQL> select ename,salary from emp where IN(select salary from emp);

select ename,salary from emp where IN(select salary from emp)

\*

ERROR at line 1:

ORA-00936: missing expression

SQL> select ename,salary from emp where salary in(select salary from emp);

ENAME SALARY

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

lkkj 5312

fidha 50230

milan 146600

joyal 50200

george 500250

SQL> commit;

Commit complete.

SQL> select ename,salary from emp where salary in(select salary from emp);

ENAME SALARY

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

lkkj 5312

fidha 50230

milan 146600

joyal 50200

george 500250

SQL> alter table emp rename ename to employeename

2 alter table emp rename ename to employeename;

alter table emp rename ename to employeename

\*

ERROR at line 1:

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

SQL> alter table emp rename column ename to employeename;

Table altered.

SQL> select \* from emp;

EMPNO EMPLOYEENAME JOB SALARY DEPNO DATE\_OF\_J

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

1 lkkj clerk 5312 5 10-OCT-21

2 fidha developer 50230 3 10-OCT-21

3 milan geologist 146600 4 10-OCT-21

12 joyal engineer 50200 2 10-OCT-21

13 george software developer 500250 2 10-OCT-21

SQL> alter table emp rename column empno to empid;

Table altered.

SQL> select \* from emp;

EMPID EMPLOYEENAME JOB SALARY DEPNO DATE\_OF\_J

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

1 lkkj clerk 5312 5 10-OCT-21

2 fidha developer 50230 3 10-OCT-21

3 milan geologist 146600 4 10-OCT-21

12 joyal engineer 50200 2 10-OCT-21

13 george software developer 500250 2 10-OCT-21

SQL> alter table emp rename table emp to employee;

alter table emp rename table emp to employee