# SQL BASIC-COMMANDS

SQL> create table tbl\_employee(eid number(10),ename varchar(10),esalary varchar(10));

Table created.

SQL> insert into tbl\_employee values(101,'Valan',2000);

1 row created.

SQL> insert into tbl\_employee values(102,'Raj',3000);

1 row created.

SQL> insert into tbl\_employee values(103,'Kumar',4000);

1 row created.

SQL> insert into tbl\_employee values(104,'Fathima',5000);

1 row created.

SQL> commit;

Commit complete.

SQL> select \* from tbl\_employee

2 select \* from tbl\_employee;

select \* from tbl\_employee

\*

ERROR at line 2:

ORA-00933: SQL command not properly ended

SQL>

SQL> select \* from tbl\_employee;

EID ENAME ESALARY

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

101 Valan 2000

102 Raj 3000

103 Kumar 4000

104 Fathima 5000

SQL> select \* from tbl\_employee where eid in(101,102,106);

EID ENAME ESALARY

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

101 Valan 2000

102 Raj 3000

SQL> select \* from tbl\_employee where eid not in(101,102,106);

EID ENAME ESALARY

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

103 Kumar 4000

104 Fathima 5000

SQL> select \* from tbl\_employee where esalary between 2000 and 5000;

EID ENAME ESALARY

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

101 Valan 2000

102 Raj 3000

103 Kumar 4000

104 Fathima 5000

SQL> select \* from tbl\_employee where esalary not between 2000 and 5000;

no rows selected

SQL> select \* from tbl\_employee where esalary not between 3000 and 5000;

EID ENAME ESALARY

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

101 Valan 2000

SQL> select \* from tbl\_employee where eid in (101,102,104) and esalary >4000;

EID ENAME ESALARY

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

104 Fathima 5000

SQL> select \* from tbl\_employee where eid in (101,102,104) or esalary >4000;

EID ENAME ESALARY

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

101 Valan 2000

102 Raj 3000

104 Fathima 5000

SQL> select \* from tbl\_employee where eid in (101,102,104) or esalary >4000;

EID ENAME ESALARY

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

101 Valan 2000

102 Raj 3000

104 Fathima 5000

SQL> select \* from tbl\_employee;

EID ENAME ESALARY

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

101 Valan 2000

102 Raj 3000

103 Kumar 4000

104 Fathima 5000

SQL> select \* from tbl\_employee where eid in (101,102,104) or esalary >4000;

EID ENAME ESALARY

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101 Valan 2000

102 Raj 3000

104 Fathima 5000

SQL> select \* from tbl\_mployee where eid > 103 and esalary <4000;

select \* from tbl\_mployee where eid > 103 and esalary <4000

\*

ERROR at line 1:

ORA-00942: table or view does not exist

SQL> select \* from tbl\_employee where eid > 103 and esalary < 4000;

no rows selected

SQL> select \* from tbl\_employee where eid > 103 or esalary < 4000;

EID ENAME ESALARY

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

101 Valan 2000

102 Raj 3000

104 Fathima 5000

SQL> insert into tbl\_employee values(106,3000);

insert into tbl\_employee values(106,3000)

\*

ERROR at line 1:

ORA-00947: not enough values

SQL> insert into tbl\_employee (eid,esalary) values (106,3000);

1 row created.

SQL> commit;

Commit complete.

SQL> select \* from tbl\_employee;

EID ENAME ESALARY

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

101 Valan 2000

102 Raj 3000

103 Kumar 4000

104 Fathima 5000

106 3000

SQL>

SQL> select \* from tbl\_employee ename is null;

select \* from tbl\_employee ename is null

\*

ERROR at line 1:

ORA-00933: SQL command not properly ended

SQL> select \* from tbl\_employee where ename is null;

EID ENAME ESALARY

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

106 3000

SQL> select \* from tbl\_employee where ename is not null;

EID ENAME ESALARY

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

101 Valan 2000

102 Raj 3000

103 Kumar 4000

104 Fathima 5000

SQL> select \* from tbl\_employee where ename like 'F%';

EID ENAME ESALARY

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

104 Fathima 5000

SQL> select \* from tbl\_employee where ename like '\_a%';

EID ENAME ESALARY

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

101 Valan 2000

102 Raj 3000

104 Fathima 5000

SQL> select \* from tbl\_employee where ename like '\_\_t%';

EID ENAME ESALARY

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

104 Fathima 5000

SQL> select \* from tbl\_employee where ename like '%y';

no rows selected

SQL> select \* from tbl\_employee where ename like '%t';

no rows selected

SQL> select \* from tbl\_employee where ename like '%a';

EID ENAME ESALARY

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

104 Fathima 5000

SQL> select \* from tbl\_employee where ename like '%a%';

EID ENAME ESALARY

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

101 Valan 2000

102 Raj 3000

103 Kumar 4000

104 Fathima 5000

SQL> select \* from tbl\_employee where ename not like '%a%';

no rows selected

SQL> select \* from tbl\_employee where ename not like '%t%';

EID ENAME ESALARY

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

101 Valan 2000

102 Raj 3000

103 Kumar 4000

SQL> select \* from tbl\_employee order by ename;

EID ENAME ESALARY

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

104 Fathima 5000

103 Kumar 4000

102 Raj 3000

101 Valan 2000

106 3000

SQL> select \* from tbl\_employee order by ename desc;

EID ENAME ESALARY

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

106 3000

101 Valan 2000

102 Raj 3000

103 Kumar 4000

104 Fathima 5000

SQL> select \* from tbl\_employee;

EID ENAME ESALARY

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

101 Valan 2000

102 Raj 3000

103 Kumar 4000

104 Fathima 5000

106 3000

SQL> alter table tbl\_employee add doj date;

Table altered.

SQL> select \* from tbl\_employee;

EID ENAME ESALARY DOJ

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

101 Valan 2000

102 Raj 3000

103 Kumar 4000

104 Fathima 5000

106 3000

SQL> update tbl\_employee set doj=sysdate where eid=103;

1 row updated.

SQL> select \* from tbl\_employee;

EID ENAME ESALARY DOJ

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

101 Valan 2000

102 Raj 3000

103 Kumar 4000 07-AUG-24

104 Fathima 5000

106 3000

SQL> update tbl\_employee set doj='05-Aug-24' where eid in (101,104);

2 rows updated.

SQL> select \* from tbl\_employee;

EID ENAME ESALARY DOJ

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

101 Valan 2000 05-AUG-24

102 Raj 3000

103 Kumar 4000 07-AUG-24

104 Fathima 5000 05-AUG-24

106 3000

SQL> commit;

Commit complete.

SQL> select \* from tbl\_employee;

EID ENAME ESALARY DOJ

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

101 Valan 2000 05-AUG-24

102 Raj 3000

103 Kumar 4000 07-AUG-24

104 Fathima 5000 05-AUG-24

106 3000

SQL> alter table tbl\_employee drop column doj;

Table altered.

SQL> select \* from tbl\_employee;

EID ENAME ESALARY

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

101 Valan 2000

102 Raj 3000

103 Kumar 4000

104 Fathima 5000

106 3000

SQL> desc tbl\_employee;

Name Null? Type

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

EID NUMBER(10)

ENAME VARCHAR2(10)

ESALARY VARCHAR2(10)

SQL> alter table tbl\_employee modify eid number(7);

alter table tbl\_employee modify eid number(7)

\*

ERROR at line 1:

ORA-01440: column to be modified must be empty to decrease precision or scale

SQL> alter table tbl\_employee modify esalary number(7);

alter table tbl\_employee modify esalary number(7)

\*

ERROR at line 1:

ORA-01439: column to be modified must be empty to change datatype

SQL> alter table tbl\_employee modify esalary varchar2(15);

Table altered.

SQL> desc tbl\_employee;

Name Null? Type

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

EID NUMBER(10)

ENAME VARCHAR2(10)

ESALARY VARCHAR2(15)

SQL> alter table tbl\_employee rename column eid to empid;

Table altered.

SQL> select \* from tbl\_employee;

EMPID ENAME ESALARY

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

101 Valan 2000

102 Raj 3000

103 Kumar 4000

104 Fathima 5000

106 3000

SQL> rename tbl\_employee to tabel\_employee;

Table renamed.

SQL> select \* from tbl\_employee;

select \* from tbl\_employee

\*

ERROR at line 1:

ORA-00942: table or view does not exist

SQL> select \* from tabel\_employee;

EMPID ENAME ESALARY

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

101 Valan 2000

102 Raj 3000

103 Kumar 4000

104 Fathima 5000

106 3000

SQL>