

## ORACLE LAB EXERCISE - 1

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**SQL> connect system**

Enter password:

Connected.

**SQL> create table tbl\_employee(emp\_id number(5),emp\_name varchar(20),esalary number(5));**

Table created.

**SQL> desc tbl\_employee**

Name	Null?	Type
-----		
EMP_ID		NUMBER(5)
EMP_NAME		VARCHAR2(20)
ESALARY		NUMBER(5)

**SQL> insert into tbl\_employee values(101,'Dharu',3000);**

1 row created.

**SQL> insert into tbl\_employee values(102,'Jaga',4000);**

1 row created.

**SQL> insert into tbl\_employee values(103,'Rocky',5000);**

1 row created.

**SQL> commit;**

Commit complete.

**SQL> select \* from tbl\_employee;**

EMP_ID	EMP_NAME	ESALARY
101	Dharu	3000
102	Jaga	4000
103	Rocky	5000

**SQL> select emp\_id,esalary from tbl\_employee;**

EMP_ID	ESALARY
101	3000
102	4000
103	5000

**SQL> insert into tbl\_employee values(104,'Vijaya',6000);**

1 row created.

**SQL> commit;**

Commit complete.

**SQL> select emp\_id from tbl\_employee;**

EMP_ID
101
102
103
104

**SQL> select distinct emp\_id from tbl\_employee;**

EMP_ID
102
101
104
103

**SQL> select \* from tbl\_employee;**

EMP_ID	EMP_NAME	ESALARY
101	Dharu	3000
102	Jaga	4000
103	Rocky	5000
104	Vijaya	6000

**SQL> select \* from tbl\_employee where emp\_id=101;**

EMP_ID	EMP_NAME	ESALARY
101	Dharu	3000

**SQL> select \* from tbl\_employee where emp\_name='Dharu';**

EMP_ID	EMP_NAME	ESALARY
101	Dharu	3000

**SQL> select \* from tbl\_employee where esalary>4000;**

EMP_ID	EMP_NAME	ESALARY
103	Rocky	5000
104	Vijaya	6000

**SQL> select \* from tbl\_employee;**

EMP_ID	EMP_NAME	ESALARY
101	Dharu	3000
102	Jaga	4000
103	Rocky	5000
104	Vijaya	6000

**SQL> select \* from tbl\_employee where emp\_name<>'Vijaya';**

EMP_ID	EMP_NAME	ESALARY
101	Dharu	3000
102	Jaga	4000
103	Rocky	5000

**SQL> select \* from tbl\_employee ;**

EMP_ID	EMP_NAME	ESALARY
101	Dharu	3000
102	Jaga	4000
103	Rocky	5000
104	Vijaya	6000

**SQL> update tbl\_employee set esalary=7000 where emp\_id=102;**

1 row updated.

**SQL> select \* from tbl\_employee ;**

EMP_ID	EMP_NAME	ESALARY
101	Dharu	3000
102	Jaga	7000

103 Rocky	5000
104 Vijaya	6000

**SQL> commit;**

Commit complete.

**SQL> delete from tbl\_employee where emp\_id=101;**

1 row deleted.

**SQL> commit;**

Commit complete.

**SQL> select \* from tbl\_employee ;**

EMP_ID	EMP_NAME	ESALARY
-----	-----	-----
102	Jaga	7000
103	Rocky	5000
104	Vijaya	6000

**SQL> select \* from tbl\_employee where emp\_id in(101,102,103,104) ;**

EMP_ID	EMP_NAME	ESALARY
-----	-----	-----
102	Jaga	7000
103	Rocky	5000
104	Vijaya	6000

**SQL> select \* from tbl\_employee where emp\_id not in(101,102,103,104) ;**

no rows selected

**SQL> select \* from tbl\_employee;**

EMP_ID	EMP_NAME	ESALARY
102	Jaga	7000
103	Rocky	5000
104	Vijaya	6000

**SQL> select \* from tbl\_employee where esalary between 2000 and 6000;**

EMP_ID	EMP_NAME	ESALARY
103	Rocky	5000
104	Vijaya	6000

**SQL> select \* from tbl\_employee where esalary not between 2000 and 6000 ;**

EMP_ID	EMP_NAME	ESALARY
102	Jaga	7000

**SQL> select \* from tbl\_employee;**

EMP_ID	EMP_NAME	ESALARY
102	Jaga	7000
103	Rocky	5000
104	Vijaya	6000

**SQL> select \* from tbl\_employee where esalary>=4000 and emp\_id in(101,103);**

EMP_ID	EMP_NAME	ESALARY
103	Rocky	5000

**SQL> select \* from tbl\_employee where esalary>=4000 or emp\_id in(101,103);**

EMP_ID	EMP_NAME	ESALARY
102	Jaga	7000
103	Rocky	5000
104	Vijaya	6000

**SQL> select \* from tbl\_employee;**

EMP_ID	EMP_NAME	ESALARY
102	Jaga	7000
103	Rocky	5000
104	Vijaya	6000

**SQL> select \* from tbl\_employee where emp\_name like 'V%';**

EMP_ID	EMP_NAME	ESALARY
104	Vijaya	6000

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

EMP_ID	EMP_NAME	ESALARY
102	Jaga	7000

**SQL> select \* from tbl\_employee where emp\_name not like '\_a%';**

EMP_ID	EMP_NAME	ESALARY
103	Rocky	5000
104	Vijaya	6000

**SQL> select \* from tbl\_employee where emp\_name like '\_\_j%';**

EMP_ID	EMP_NAME	ESALARY
104	Vijaya	6000

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

EMP_ID	EMP_NAME	ESALARY
102	Jaga	7000
104	Vijaya	6000

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

EMP_ID	EMP_NAME	ESALARY
102	Jaga	7000
104	Vijaya	6000

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

EMP_ID	EMP_NAME	ESALARY
102	Jaga	7000
103	Rocky	5000
104	Vijaya	6000

**SQL> select \* from tbl\_employee;**

EMP_ID	EMP_NAME	ESALARY
102	Jaga	7000
103	Rocky	5000
104	Vijaya	6000
501		2000



**SQL> select \* from tbl\_employee order by emp\_id;**

EMP_ID	EMP_NAME	ESALARY
102	Jaga	7000
103	Rocky	5000
104	Vijaya	6000
501		2000

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

EMP_ID	EMP_NAME	ESALARY
501		2000
104	Vijaya	6000
103	Rocky	5000
102	Jaga	7000

**SQL> select \* from tbl\_employee order by emp\_id,emp\_name;**

EMP_ID	EMP_NAME	ESALARY
102	Jaga	7000
103	Rocky	5000
104	Vijaya	6000
501		2000

**SQL> select \* from tbl\_employee order by emp\_id,emp\_name desc;**

EMP_ID	EMP_NAME	ESALARY
102	Jaga	7000
103	Rocky	5000
104	Vijaya	6000
501		2000

**SQL> alter table tbl\_employee add doj date;**

Table altered.

**SQL> select \* from tbl\_employee;**

EMP_ID	EMP_NAME	ESALARY	DOJ
102	Jaga	7000	
103	Rocky	5000	
104	Vijaya	6000	
501		2000	

**SQL> update tbl\_employee set doj=sysdate where emp\_id=103;**

1 row updated.

**SQL> select \* from tbl\_employee;**

EMP_ID	EMP_NAME	ESALARY	DOJ
102	Jaga	7000	
103	Rocky	5000	07-AUG-24
104	Vijaya	6000	
501		2000	

**SQL> update tbl\_employee set doj='05-aug-2024' where emp\_id=103;**

1 row updated.

**SQL> select \* from tbl\_employee;**

EMP_ID	EMP_NAME	ESALARY	DOJ
102	Jaga	7000	
103	Rocky	5000	05-AUG-24
104	Vijaya	6000	

501

2000

**SQL> alter table tbl\_employee drop column doj;**

Table altered.

**SQL> select \* from tbl\_employee;**

EMP_ID	EMP_NAME	ESALARY
102	Jaga	7000
103	Rocky	5000
104	Vijaya	6000
501		2000

**SQL> alter table tbl\_employee add doj date;**

Table altered.

**SQL> select \* from tbl\_employee;**

EMP_ID	EMP_NAME	ESALARY	DOJ
102	Jaga	7000	
103	Rocky	5000	
104	Vijaya	6000	
501		2000	

**SQL> desc tbl\_employee;**

Name	Null?	Type
EMP_ID		NUMBER(5)
EMP_NAME		VARCHAR2(20)
ESALARY		NUMBER(5)
DOJ		DATE

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

Table altered.

**SQL> desc tbl\_employee;**

Name	Null?	Type
EMP_ID		NUMBER(5)
EMP_NAME		VARCHAR2(20)
ESALARY		NUMBER(7)
DOJ		DATE

**SQL> alter table tbl\_employee rename column emp\_id to eid;**

Table altered.

**SQL> select \* from tbl\_employee;**

EID	EMP_NAME	ESALARY	DOJ
102	Jaga	7000	
103	Rocky	5000	
104	Vijaya	6000	
501		2000	