

## Assignment no:2

```
SQL> create table employee(emp_id number(5) primary key,emp_name varchar(10),dept  
varchar(10),addr varchar(10),sal number(10));
```

Table created.

```
SQL> insert into employee values(101,'john','comp','pune',2000);
```

1 row created.

```
SQL> insert into employee values(102,'Shubham','comp','akole',4000);
```

1 row created.

```
SQL> insert into employee values(103,'rahul','it','pune',3500);
```

1 row created.

```
SQL> insert into employee values(104,'Nikita','mech','nagpur',2000);
```

1 row created.

```
SQL> insert into employee values(105,'aadesh','etc','mumbai',4000);
```

1 row created.

```
SQL> insert into employee values(106,'ram','it','nashik',5000);
```

1 row created.

```
SQL> select * from employee;
```

EMP_ID	EMP_NAME	DEPT	ADDR	SAL
101	john	comp	pune	2000
102	Shubham	comp	akole	4000

103	rahul	it	pune	3500
104	Nikita	mech	nagpur	2000
105	aadesh	etc	mumbai	4000
106	ram	it	nashik	5000

6 rows selected.

SQL> alter table employee add (age number(5));

Table altered.

SQL> alter table employee modify (emp\_name varchar(15) not null);

Table altered.

SQL> alter table employee drop column age;

Table altered.

SQL> rename employee to emp;

Table renamed.

SQL> create view emp1

2 as

3 select emp\_id,emp\_name

4 from emp

5 where sal>1000;

View created.

SQL> select \* from emp1;

EMP\_ID EMP\_NAME

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101 john

102 Shubham

103 rahul

104 Nikita

105 aadesh

106 ram

6 rows selected.

SQL> create or replace view emp1 as select emp\_id,emp\_name,dept from emp where sal>1000;

View created.

SQL> select \* from emp1;

EMP_ID	EMP_NAME	DEPT
101	john	comp
102	Shubham	comp
103	rahul	it
104	Nikita	mech
105	aadesh	etc
106	ram	it

6 rows selected.

SQL> drop view emp1;

View dropped.

-----Simple index-----

SQL> CREATE INDEX in1 on emp (emp\_name);

Index created.

SQL> select emp\_name from emp;

EMP\_NAME

-----

aadesh

Nikita

john  
Shubham  
ram  
rahul

6 rows selected.  
SQL> drop index in1;

Index dropped.

-----compound index-----

SQL> CREATE INDEX in2 on emp (emp\_name,dept);

Index created.

SQL> select emp\_name,dept from emp;

EMP_NAME	DEPT
aadesh	etc
Nikita	mech
john	comp
Shubham	comp
ram	it
rahul	it

6 rows selected.  
SQL> drop index in2;

Index dropped.

-----uniue index-----

SQL> create unique index in3 on emp (emp\_name);

Index created.

SQL> select emp\_name from emp;

EMP\_NAME

-----

aadesh

Nikita

john

Shubham

ram

rahul

6 rows selected.

SQL> drop index in3;

Index dropped.

SQL> CREATE SEQUENCE sequence\_1

2 start with 1

3 increment by 1

4 minvalue 0

5 maxvalue 100;

Sequence created.

SQL>create table students( id number(10),name char(20));

Table created.

SQL>INSERT into students VALUES(sequence\_1.nextval,'Ramesh');

1 row created.

SQL>INSERT into students VALUES(sequence\_1.nextval,'Suresh');

1 row created.

SQL>select \* from students;

ID NAME

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1 Ramesh

2 Suresh