**Practical 2**

Create table student(roll int primary key, name varchar(20), div varchar(1));

Insert into student values(01, ‘Sachin’, ‘c’);

Insert into student values(02, ‘Magar’, ‘a’);

Insert into student values(03, ‘Bhagar’, ‘b’);

Insert into student values(04, ‘Abhijeet’, ‘a’);

Insert into student values(05, ‘Chinmay’, ‘a’);

// creating view

create or replace view v1 as

select name, div

from student

where roll<4;

drop view v1;

// creating index

create index i1

on student(name);

drop index i1;

// creating sequence

create sequence s1

start with 10

increment by 1

minvalue 10

maxvalue 200

cycle;

cache 10 🡪 optional;

update student set roll= s1.nextval;

drop sequence s1;

Practical 3

create table employee(id int, name varchar(20), job varchar(20), salary int);

insert into employee values(01, 'aa', 'programmer', 20000);

insert into employee values(02, 'bb', 'peon', 40000);

insert into employee values(03, 'cc', 'tester', 10000);

insert into employee values(04, 'dd', 'manager', 100000);

insert into employee values(05, 'ee', 'clerk', 100);

select \* from employee;

select \* from employee where salary >10000;

update employee set salary = salary \* 1.5;

update employee set salary = 15000 where salary=150;

delete employee where id = 3;

insert into employee values(3, 'ff', 'new tester', 10000);

Practical 4

create table student(roll int primary key, name varchar(20), percent float);

insert into student values(01, 'aaa', 45.6);

insert into student values(02, 'bbb', 67.99);

insert into student values(03, 'ccc', 90.0);

insert into student values(04, 'ddd', 90.5);

insert into student values(05, 'ddd', 10.45)

update student set name = 'eee' where roll = 5;

create table attend(roll int primary key, name varchar(20), attendence int);

insert into attend values(1,'aaa',45);

insert into attend values(2,'bbb',90);

insert into attend values(3,'ccc',2);

insert into attend values(4,'ddd',30);

insert into attend values(5,'eee',76);

insert into student values(6, 'fff',78.0);

insert into student values(7, 'ggg',70.23);

insert into attend values(8, 'hhh',70);

insert into attend values(9, 'iii',67);

select \* from student

inner join attend

on student.roll = attend.roll;

select \* from student

left join attend

on student.roll=attend.roll;

alter table student modify (name varchar(4));

select \* from student

right join attend

on student.name = attend.name;

select \* from student

full outer join attend

on student.roll = attend.roll;

select \* from student

where percent>(select avg(percent) from student);

create view v1 as

select name, percent

from student

where roll>0;

select \* from v1;

**MongoDB**

**Practical 1**

use employee;

db.employee.insertMany([{'id':1, 'name':'sachin babar', 'salary':50000}, {'id':2,'name':'sb nimbekar', 'salary':40000000000000}]);

db.employee.insertMany([{'id':3, 'name':'sr patil', 'salary':67000} ,{'id':4, 'name':'nagu patil', 'salary':5}, {'id':5, 'name':'rupali shishupal', 'salary':10}]);

db.employee.find().pretty();

db.employee.find('salary':5).pretty();

db.employee.updateOne({id:2},{$set:{salary:4000}});

db.employee.replaceOne({name:'nagu patil'},{name:'nagesh patil'});

db.employee.updateOne({name:'nagesh patil'}, {$set: {id:4, salary:5}});

db.employee.deleteOne({id:1});

**Practical 2**

use employee;

db.employee.insertMany([{'id':6, 'name':'aaa', 'salary':5},

{'id':7, 'name':'bbb', 'salary':5},

{'id':8, 'name':'ccc', 'salary':4000}]);

db.employee.aggregate( {$match:{salary:5} }).pretty();

db.employee.aggregate( [ {$match:{salary:5} }, {$sort:{id:-1}}).pretty();

db.employee.aggregate([{$group:{\_id:"$salary"}}, {$sort:{name:1}}]);

db.employee.createIndex({id:1});

db.collection.dropIndex("\*");