

CHIT-1 MYSQL :

1. select cname,acc_type,amount from customer,account where customer.c_id=account.c_id and acc_type='saving';
2. select cname,acc_type,amount from customer natural join account;
3. select cname,acc_type,amount from customer left join account on customer.c_id=account.c_id;
4. select cname,acc_type,amount from customer right join account on customer.c_id=account.c_id;
5. select * from customer c where city=(select city from customer where cname='pooja');
6. select * from account where amount<(select avg(amount) from account);
7. select c_id from account where amount=(select max(amount) from account);
8. select amount,acc_type from account where amount in (select min(amount) from account group by acc_type);
9. select amount from account where amount>(select max(amount) from account where acc_type='saving');

CHIT-4 MYSQL:

1. select dept_name,avg(salary) from instructor group by dept_name having avg(salary)>42000;
2. update instructor set salary=salary*1.10 where dept_name='computer';
3. select name from instructor where name not in('amit','amol');
4. select name from student where name like '%am%';
5. select name from student join course on student.dept_name=course.dept_name
6. where student.dept_name='computer' and course.title='dbms';

CHIT-8 MYSQL:

1. select name from instructor i inner join teaches t on i.t_id=t.t_id order by t.semester;
2. create view student_details as select * from student;
3. alter table student change column dept_name department_name varchar(30);
4. delete from student where department_name=null;

CHIT-17 MYSQL:

1. select distinct address from employee;
2. select max(salary),min(salary) from employee;
3. select * from employee order by salary asc;

4. select ename from employee where address in ('nashik','pune');
5. select ename from employee where commission is NULL;
6. update employee set address='nashik' where ename='amit';
7. select * from employee where ename like 'a%';
8. select count(*) from employee where address='mumbai';
9. select count(*),address from employee group by address;
10. SELECT DISTINCT derived_table.address
FROM (SELECT address FROM employee
UNION
SELECT address FROM project) AS derived_table;
11. select address, min(salary) from employee group by address;
12. select address,max(salary) from employee group by address having
max(salary)>26000;
13. delete from employee where salary>30000;

CHIT-24 MYSQL:

1. update company set city='pune' where cname='google';
2. UPDATE works
SET sal = CASE
WHEN c_id = (SELECT c_id FROM Company WHERE cname = 'google') THEN
CASE
WHEN sal > 20000 THEN sal * 1.03
ELSE sal * 1.1
END
ELSE sal
END;
3. select ename from works join company on works.c_id=company.c_id where
works.cname='tcs';
4. delete from works where cname='nvidia' and sal>50000;

CHIT-25 MYSQL:

1. select * from duty_alloc where e_no=123 and month='april' and year=2023 and
shift=1;
2. select * from empl where pay_rate>= (select pay_rate from empl where
e_name='dog');
3. create view abc as (select min(pay_rate),max(pay_rate),avg(pay_rate) from empl
group by post);
4. select count(*) from empl join duty_alloc on empl.e_no=duty_alloc.e_no where
empl.post='manager' order by empl.post,duty_alloc.shift;

CHIT-9 MONGO:

1. `db.orderinfo.aggregate([{$match:{status:'A'}},{$group:{_id:'$cust_id',avgprice:{$avg:'$price'}}}]);`
2. `db.orderinfo.find({price:{$gte:100,$lte:1000}},{$status:1,_id:0});`
3. `db.orderinfo.find({},{$_id:0});`
4. `db.orderinfo.createIndex({ cust_id: 1 });`

CHIT-13 MONGO:

1. `db.movies.find({budget:{$gt:100000}},{$name:1,_id:0});`
2. `db.movies.find({'producer.address':'pune'},{'producer.name':1,_id:0});`
3. `db.movies.updateMany({type:'action'},{$set:{type:'horror'}});`
4. `db.movies.find({'producer.name':'producer1'},{$name:1,'producer.address':1,_id:0});`

CHIT-14 MONGO:

1. `db.Teachers.find({ dno: 2, Salary: { $gte: 10000 } });`
2. `db.Students.find({$or:[{Roll_No:2},{Sname:'xyz'}]});`
3. `db.Students.updateOne({Roll_No:5},{ $set:{Sname:'abc'}});`
4. `db.Students.deleteMany({Class:'FE'});`
5. `db.Students.createIndex({Roll_No:1});`

CHIT-15 MONGO:

1. `db.student1.find({});`
2. `b.student1.find({Age:{$gt:13}});`
3. `db.student1.find().sort({StudentName:1});`
4. `db.student1.updateOne({RollNo:3},{ $set:{Branch:'computer'}});`
5. `db.Students.deleteOne({ RollNo: 1 });`
6. `db.student1.find({ StudentName: /^C/ });`
7. `db.student1.count();`
8. `db.student1.find().limit(1);`
9. `db.student1.find().skip(1);`
10. `db.student1.find({'Address.City':'Mumbai'},{$StudentName:1,_id:0});`
11. `db.student1.find({},{$StudentName:1,_id:0});`
12. `db.student1.drop();`

CHIT-16 MONGO:

1. db.teacher.aggregate([{\$group:{_id:'\$department',avg_salary:{\$avg:'\$salary'}}}]
2. db.teacher.aggregate([{\$group:{_id:'\$department',count:{\$sum:1}}}]
3. db.teacher.aggregate([{\$group:{_id:'\$department',min_sal:{\$min:'\$salary'}}}]
4. db.teacher.createIndex({department:1});
5. db.teacher.dropIndex('department_1');

CHIT-22 MONGO:

1. db.orderinfo1.find({price:{\$gte:250,\$lte:450}},{cust_name:1,_id:0});
2. db.orderinfo1.updateOne({cust_id:123},{inc:{price:10}});
3. db.orderinfo1.updateOne({cust_id:124},{inc:{price:-5}});
4. db.orderinfo1.updateMany({},{\$unset:{status:1}});
5. db.orderinfo1.updateMany({},{\$unset:{status:1}});

CHIT- 20 MONGO:

1. db.students.createIndex({subject:1});
2. db.students.createIndex({subject:1,marks:1});
3. db.students.createIndex({Rollno:1},{unique:true});
4. db.students.getIndexes();
5. db.students.dropIndex('subject_1_marks_1');
6. db.students.aggregate({\$group:{_id:'\$subject',max_marks:{\$max:'\$marks'}}}]
7. db.students.aggregate({\$group:{_id:'\$subject',min_marks:{\$min:'\$marks'}}}]
8. db.students.aggregate({\$group:{_id:'\$subject',summation_marks:{\$sum:'\$marks'}}}]
9. db.students.aggregate({\$group:{_id:'\$subject',avg_marks:{\$avg:'\$marks'}}}]
10. db.students.aggregate({\$sort:{Rollno:1,subject:1}},{\$group:{_id:'\$subject',firstrecord:{\$first:'\$\$ROOT'}}}]
11. db.students.aggregate({\$sort:{Rollno:1,subject:1}},{\$group:{_id:'\$subject',lastrecord:{\$last:'\$\$ROOT'}}}]
12. db.students.aggregate({\$group:{_id:'\$subject',count:{\$sum:1}}}]
13. db.students.aggregate([{\$group:{_id:'\$subject',count:{\$sum:1}}},{count:'totalsubject'}]

CHIT-21 MONGO:

1. db.orderinfo.updateMany({},{\$set:{age:30}});
2. db.orderinfo.createIndex({ cust_id: 1, status: 1 }, { unique: true }); //incomplete.//
3. db.orderinfo.aggregate([{\$group:{_id:{status:'\$status',cust_id:'cust_id'},average_price:{\$avg:'\$price'}}}]
4. db.orderinfo.updateMany({status:'B'},{\$set:{cust_name:'abc'}});

CHIT-18 MONGO:

```
//var mapStatewisePopulation = function () {  
  emit(this.state, this.population);  
};
```

```
var reduceStatewisePopulation = function (key, values) {  
  return Array.sum(values);  
};
```

1. db.city.mapReduce(
 mapStatewisePopulation,reduceStatewisePopulation,{out:'state_population'});
 db.state_population.find();

```
//var mapCitywisePopulation=function(){  
  emit(this.city,this.population);  
};
```

```
Var reduceCitywisePopulation=function(key,values){  
  return Array.sum(values);  
};
```

2. db.city.mapReduce(
 mapStatewisePopulation,reduceStatewisePopulation,{out:'city_population'});
 db.city_population.find();

```
//var mapTypewisePopulation=function(){  
  emit(this.type,this.population);  
};
```

```
Var reduceTypewisePopulation=function(key,values){  
  return Array.sum(values);  
};
```

3. db.city.mapReduce(
 mapStatewisePopulation,reduceStatewisePopulation,{out:'type_population'});
 db.type_population.find();

CHIT-19 MYSQL:

```
-- ALTER TABLE emp AUTO_INCREMENT = 101;
```

```
CREATE TABLE emp (  
    Eno INT PRIMARY KEY AUTO_INCREMENT ,  
    Ename VARCHAR(20) NOT NULL,  
    Address VARCHAR(20) DEFAULT 'Nashik',  
    Joindate DATE  
);
```

```
ALTER TABLE emp AUTO_INCREMENT = 101;
```

```
ALTER TABLE emp ADD Post VARCHAR(50);
```

```
INSERT INTO emp (Ename, Joindate, Post)
```

```
VALUES
```

```
    ('John ', '2023-10-15', 'Manager'),  
    ('Amit ', '2023-10-16', 'Engineer'),  
    ('Anil ', '2023-10-18', 'Intern'),  
    ('Amol ', '2023-10-17', 'Technician'),  
    ('Ajay ', '2023-10-19', 'HR');
```

```
CREATE INDEX idx_Ename ON emp (Ename);
```

```
CREATE VIEW ENameSal AS SELECT Ename FROM emp;
```