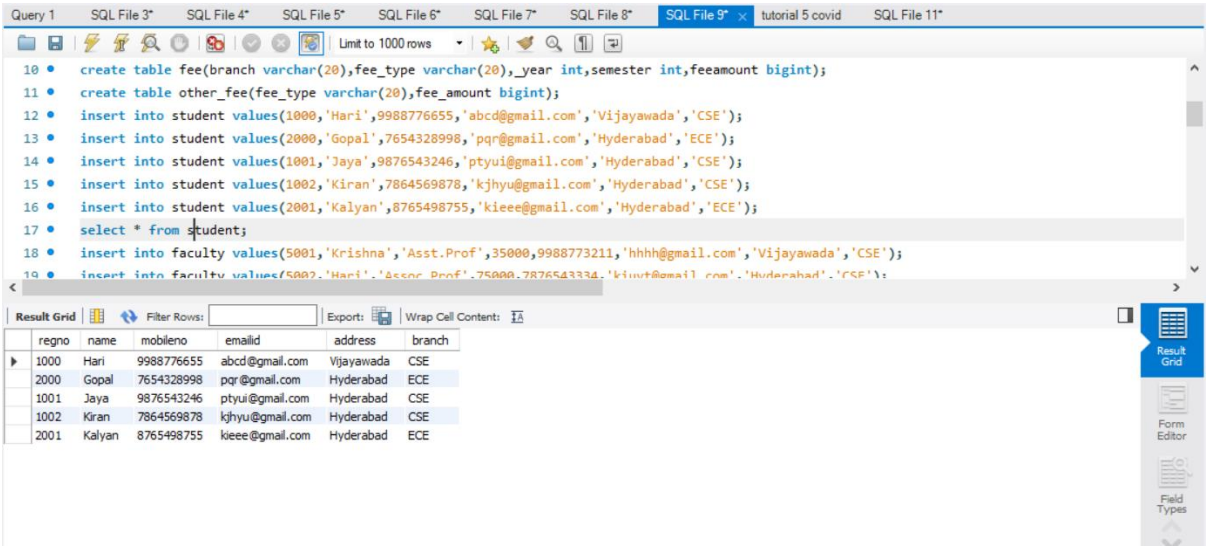
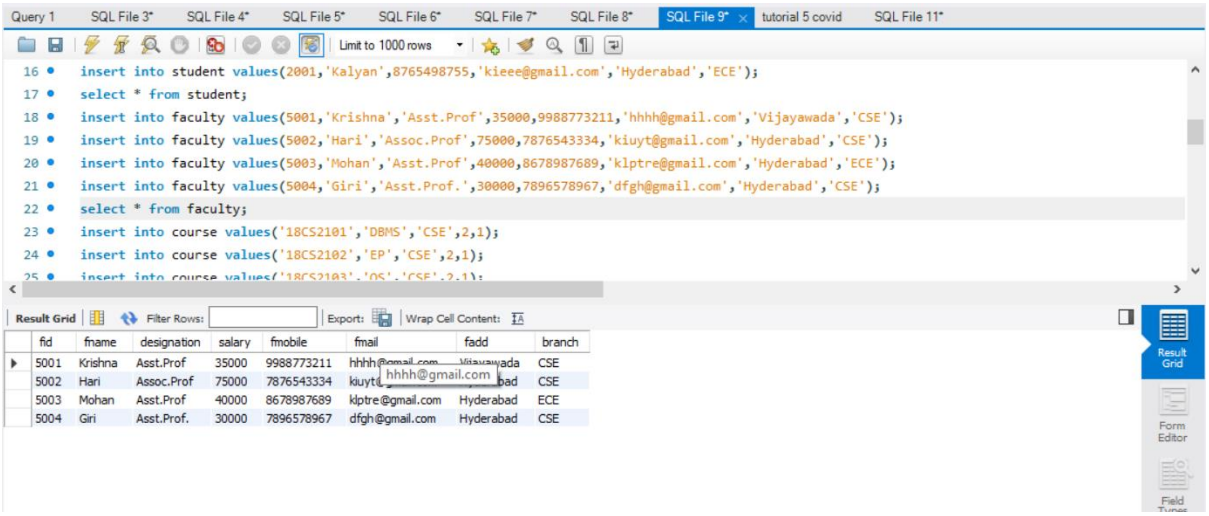
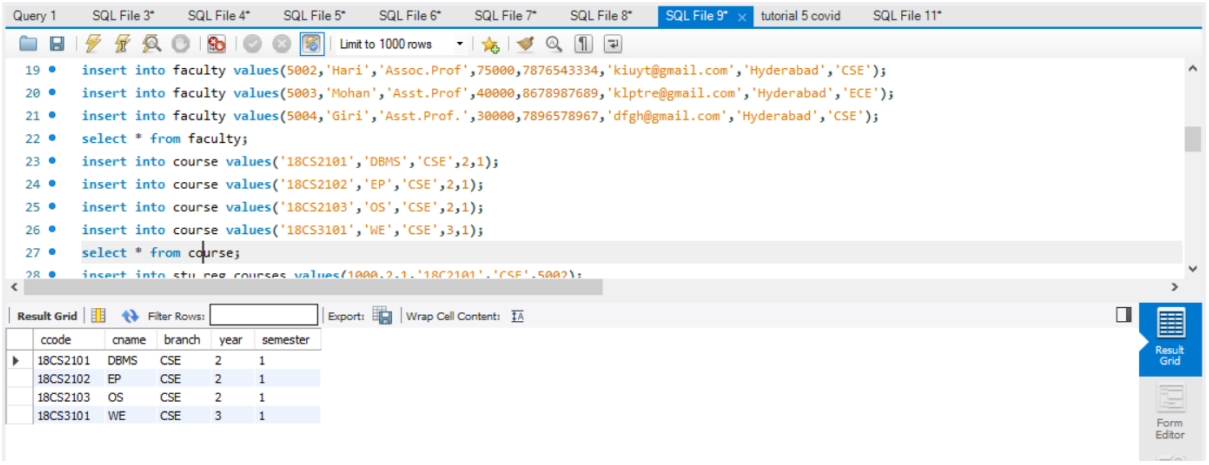
DBMS PRACTICAL 5
INLAB
KL UNIVERSITY ERP

1) Create the database in mysql and create the necessary tables for the given case study using appropriate keys and relationships between the tables

2) Insert atleast 10 records into every table that is implemented in the case study

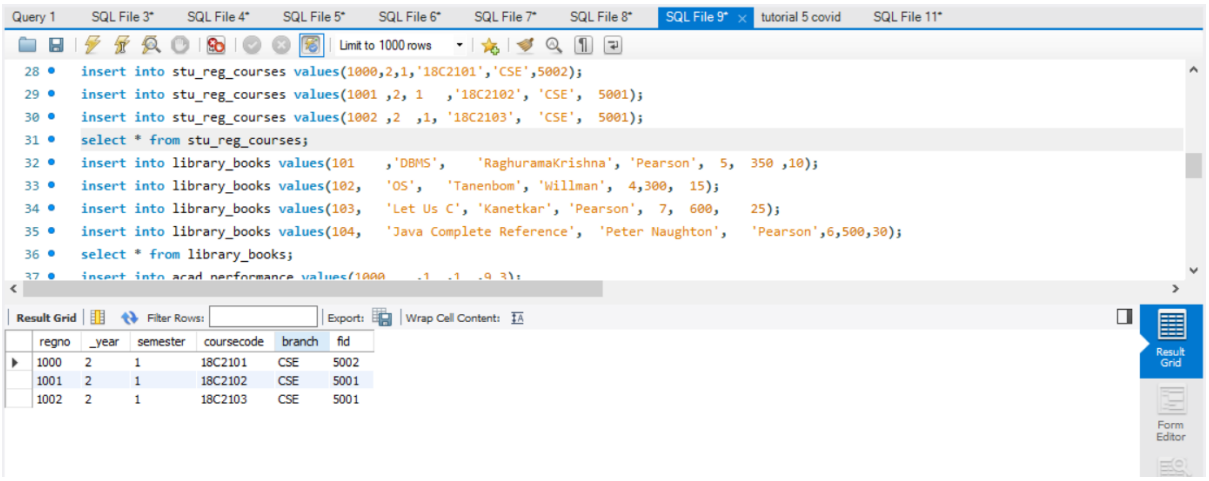






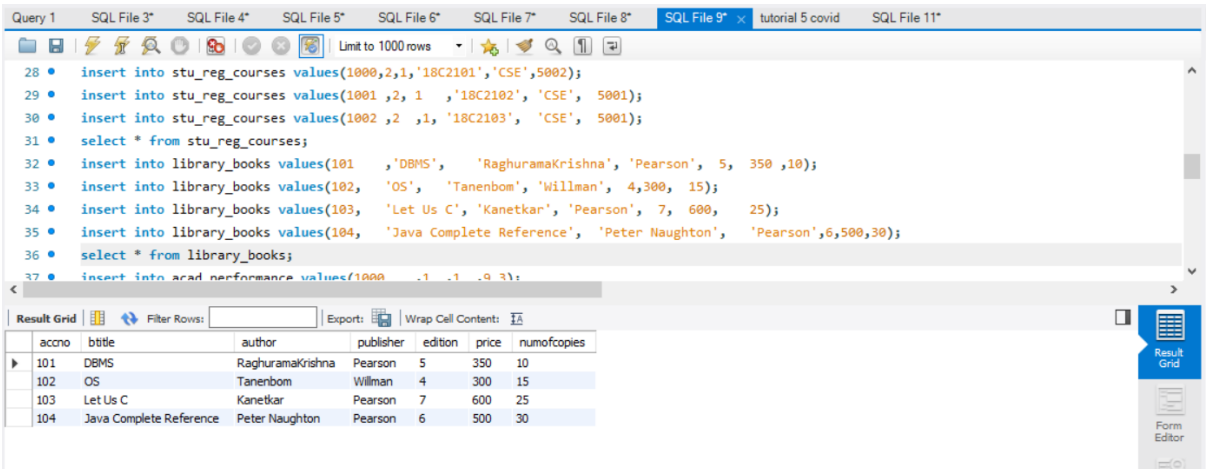
```
insert into faculty values(5002,'Hari','Assoc.Prof',75000,7876543334,'kiuyt@gmail.com','Hyderabad','CSE');
insert into faculty values(5003,'Mohan','Asst.Prof',40000,8678987689,'klptre@gmail.com','Hyderabad','ECE');
insert into faculty values(5004,'Giri','Asst.Prof.',30000,7896578967,'dfgh@gmail.com','Hyderabad','CSE');
select * from faculty;
insert into course values('18CS2101','DBMS','CSE',2,1);
insert into course values('18CS2102','EP','CSE',2,1);
insert into course values('18CS2103','OS','CSE',2,1);
insert into course values('18CS3101','WE','CSE',3,1);
select * from course;
```

ccode	cname	branch	year	semester
18CS2101	DBMS	CSE	2	1
18CS2102	EP	CSE	2	1
18CS2103	OS	CSE	2	1
18CS3101	WE	CSE	3	1



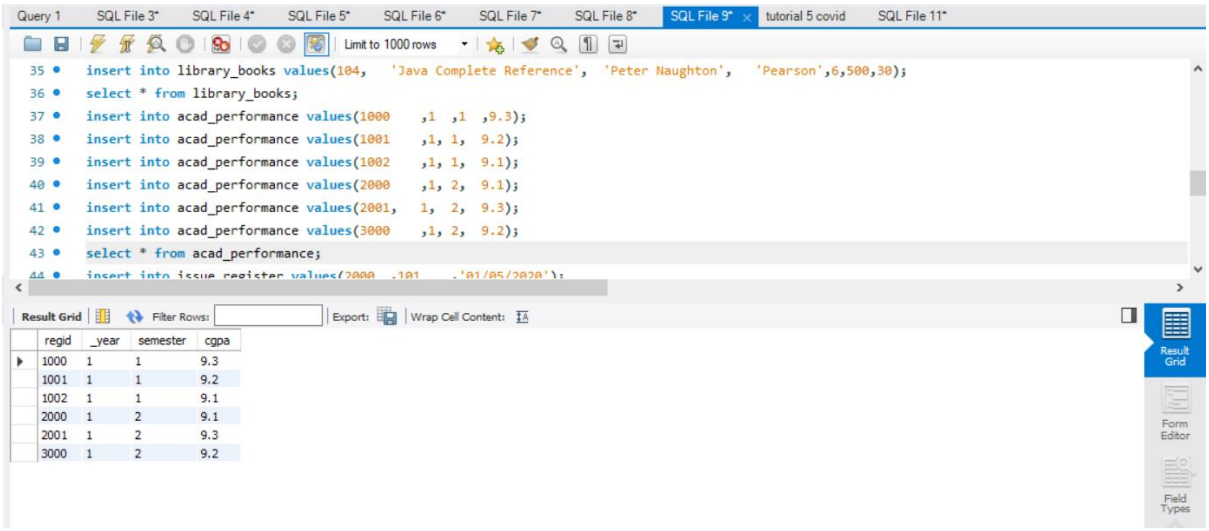
```
insert into stu_reg_courses values(1000,2,1,'18C2101','CSE',5002);
insert into stu_reg_courses values(1001 ,2, 1   ,'18C2102', 'CSE',  5001);
insert into stu_reg_courses values(1002 ,2  ,1, '18C2103',  'CSE',  5001);
select * from stu_reg_courses;
insert into library_books values(101    ,'DBMS',    'RaghuramaKrishna', 'Pearson',  5,  350 ,10);
insert into library_books values(102,   'OS',   'Tanenbom', 'Willman',  4,300,  15);
insert into library_books values(103,   'Let Us C', 'Kanetkar', 'Pearson',  7,  600,    25);
insert into library_books values(104,   'Java Complete Reference',  'Peter Naughton',   'Pearson',6,500,30);
select * from library_books;
```

regno	_year	semester	coursecode	branch	fid
1000	2	1	18C2101	CSE	5002
1001	2	1	18C2102	CSE	5001
1002	2	1	18C2103	CSE	5001



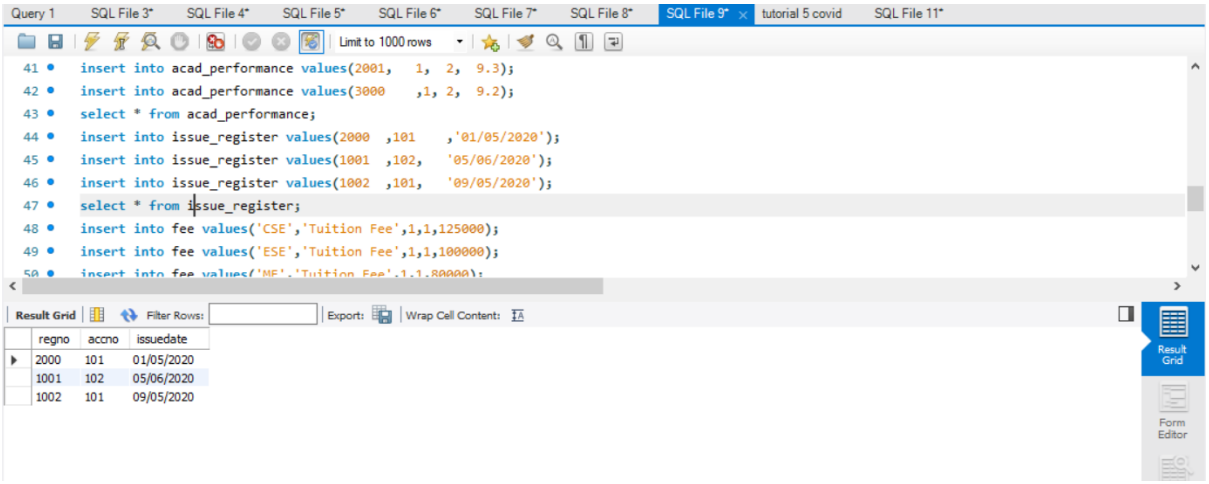
```
insert into stu_reg_courses values(1000,2,1,'18C2101','CSE',5002);
insert into stu_reg_courses values(1001 ,2, 1   ,'18C2102', 'CSE',  5001);
insert into stu_reg_courses values(1002 ,2  ,1, '18C2103',  'CSE',  5001);
select * from stu_reg_courses;
insert into library_books values(101    ,'DBMS',    'RaghuramaKrishna', 'Pearson',  5,  350 ,10);
insert into library_books values(102,   'OS',   'Tanenbom', 'Willman',  4,300,  15);
insert into library_books values(103,   'Let Us C', 'Kanetkar', 'Pearson',  7,  600,    25);
insert into library_books values(104,   'Java Complete Reference',  'Peter Naughton',   'Pearson',6,500,30);
select * from library_books;
```

accno	btitle	author	publisher	edition	price	numofcopies
101	DBMS	RaghuramaKrishna	Pearson	5	350	10
102	OS	Tanenbom	Willman	4	300	15
103	Let Us C	Kanetkar	Pearson	7	600	25
104	Java Complete Reference	Peter Naughton	Pearson	6	500	30



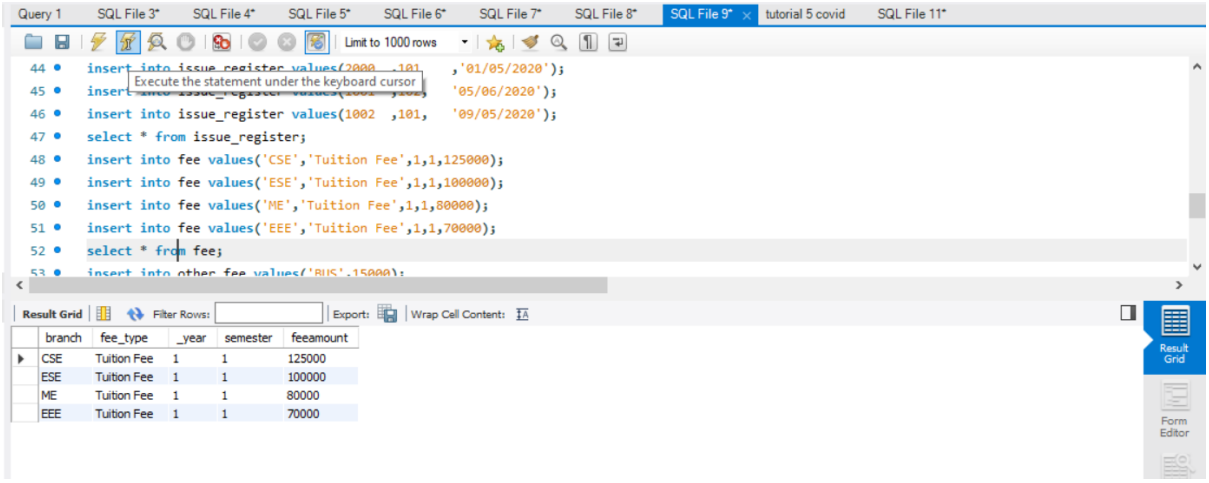
```
insert into library_books values(104,   'Java Complete Reference',  'Peter Naughton',   'Pearson',6,500,30);
select * from library_books;
insert into acad_performance values(1000    ,1  ,1  ,9.3);
insert into acad_performance values(1001    ,1, 1,  9.2);
insert into acad_performance values(1002    ,1, 1,  9.1);
insert into acad_performance values(2000    ,1, 2,  9.1);
insert into acad_performance values(2001,   1,  2,  9.3);
insert into acad_performance values(3000    ,1, 2,  9.2);
select * from acad_performance;
```

regid	_year	semester	cgpa
1000	1	1	9.3
1001	1	1	9.2
1002	1	1	9.1
2000	1	2	9.1
2001	1	2	9.3
3000	1	2	9.2



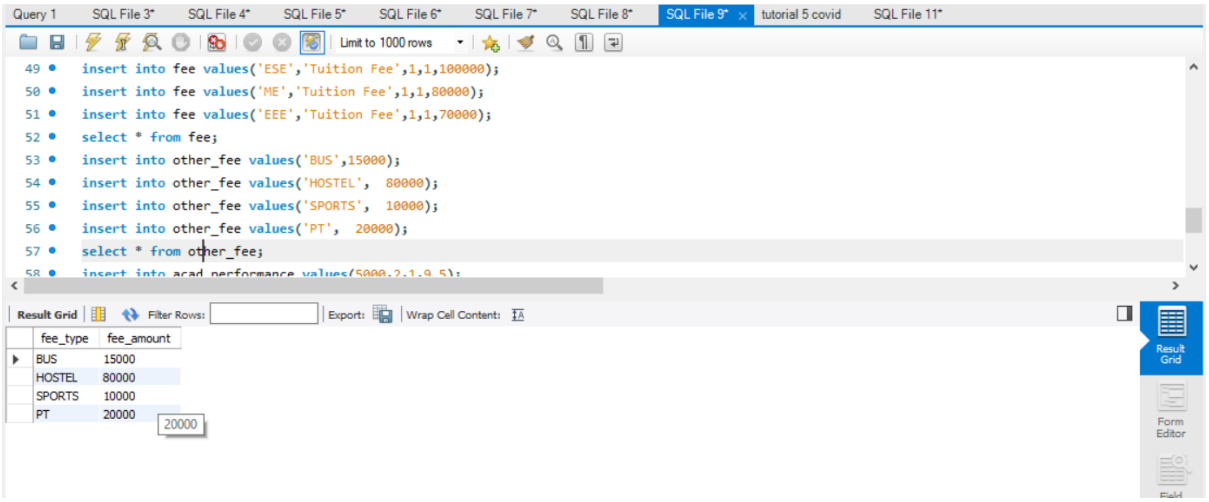
```
insert into acad_performance values(2001,   1,  2,  9.3);
insert into acad_performance values(3000    ,1, 2,  9.2);
select * from acad_performance;
insert into issue_register values(2000  ,101    ,'01/05/2020');
insert into issue_register values(1001  ,102,   '05/06/2020');
insert into issue_register values(1002  ,101,   '09/05/2020');
select * from issue_register;
insert into fee values('CSE','Tuition Fee',1,1,125000);
insert into fee values('ESE','Tuition Fee',1,1,100000);
```

regno	accno	issuedate
2000	101	01/05/2020
1001	102	05/06/2020
1002	101	09/05/2020



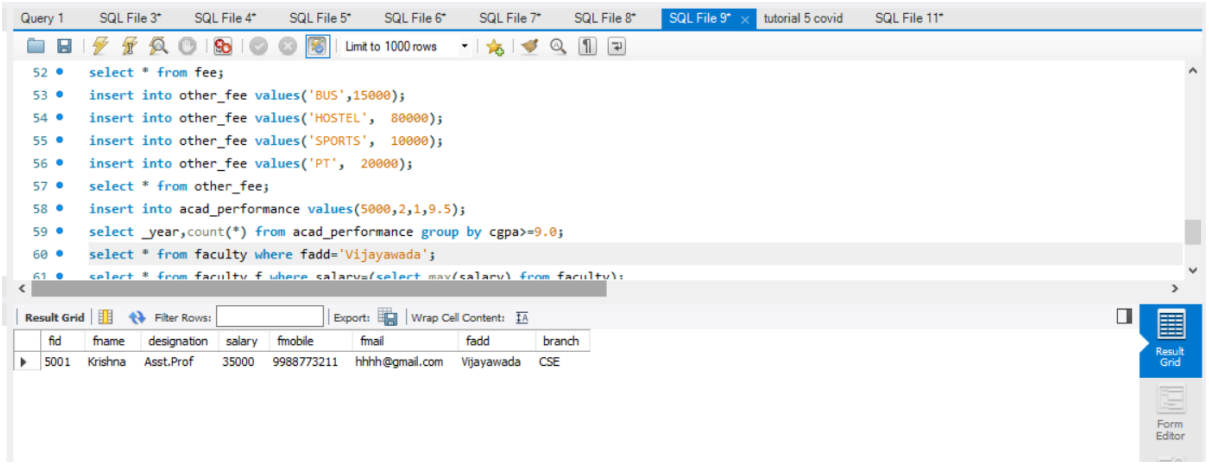
```
insert into issue_register values(2000  ,101    ,'01/05/2020');
insert into issue_register values(1001  ,102,   '05/06/2020');
insert into issue_register values(1002  ,101,   '09/05/2020');
select * from issue_register;
insert into fee values('CSE','Tuition Fee',1,1,125000);
insert into fee values('ESE','Tuition Fee',1,1,100000);
insert into fee values('ME','Tuition Fee',1,1,80000);
insert into fee values('EEE','Tuition Fee',1,1,70000);
select * from fee;
```

branch	fee_type	_year	semester	feeamount
CSE	Tuition Fee	1	1	125000
ESE	Tuition Fee	1	1	100000
ME	Tuition Fee	1	1	80000
EEE	Tuition Fee	1	1	70000

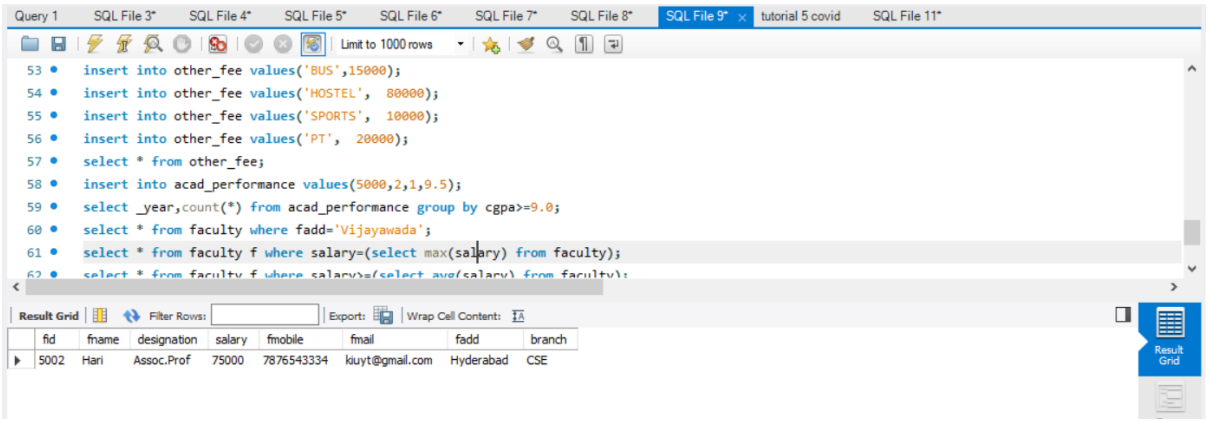


3.Write a query to find the number of students who got the CGPA 9 & above in year wise?

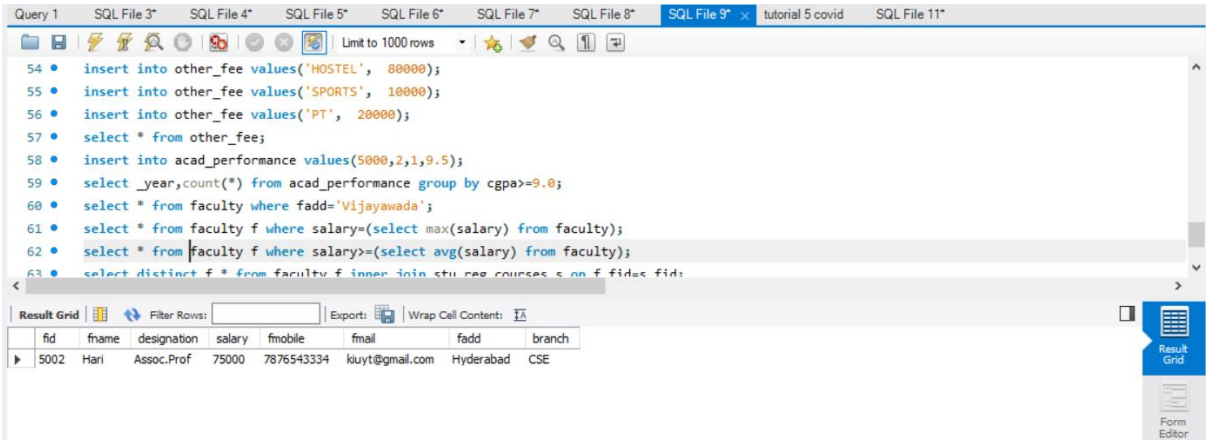
4.Display all faculties who stay in Vijayawada



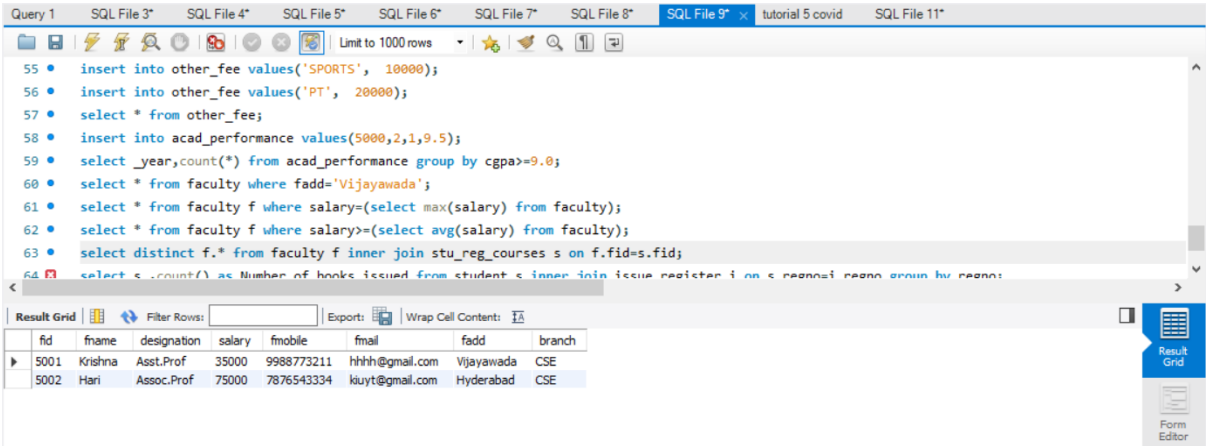
5.Write a query to display faculty id , fname, salary who is/are drawing highest salary in faculty id order.



6.Write sql query to display all the faculty whose salary is greater than the average salary of all the faculty.



7.Write a query to display the faculty details for all courses registered by a student;



8.Display the number of books issued to each student with his details

```
insert into other_fee values('BUS',15000);
insert into other_fee values('HOSTEL',  80000);
insert into other_fee values('SPORTS',  10000);
insert into other_fee values('PT',  20000);
insert into acad_performance values(5000,2,1,9.5);
#select _year,count(*) from (select * from acad_performance where cgpa>=9.0);
select * from faculty where fadd='Vijayawada';
select * from faculty f where salary>=(select avg(salary) from faculty);
select distinct f.* from faculty f inner join stu_reg_courses s on f.fid=s.fid;
select s.*,count(*) as Number_of_books_issued from student s inner join issue_register i on s.regno=i.regno group by regno;
```

regno	name	mobileno	emailid	address	branch	Number_of_books_issued
2000	Gopal	7654328998	pqr@gmail.com	Hyderabad	ECE	1
1001	Jaya	9876543246	ptyui@gmail.com	Hyderabad	CSE	1
1002	Kiran	7864569878	kjhyu@gmail.com	Hyderabad	CSE	2

9.Display the number of students registered under each faculty

```
select * from other_fee;
insert into acad_performance values(5000,2,1,9.5);
select _year,count(*) from acad_performance group by cgpa>=9.0;
select * from faculty where fadd='Vijayawada';
select * from faculty f where salary=(select max(salary) from faculty);
select * from faculty f where salary>=(select avg(salary) from faculty);
select distinct f.* from faculty f inner join stu_reg_courses s on f.fid=s.fid;
select s.,count() as Number_of_books_issued from student s inner join issue_register i on s.regno=i.regno group by regno;
select fid,count(*) as Number_of_Students from stu_reg_courses group by fid;
```

fid	Number_of_Students
5002	1
5001	2

10.Display the number of students who registered in ERP

```
insert into acad_performance values(5000,2,1,9.5);
select _year,count(*) from acad_performance group by cgpa>=9.0;
select * from faculty where fadd='Vijayawada';
select * from faculty f where salary=(select max(salary) from faculty);
select * from faculty f where salary>=(select avg(salary) from faculty);
select distinct f.* from faculty f inner join stu_reg_courses s on f.fid=s.fid;
select s.,count() as Number_of_books_issued from student s inner join issue_register i on s.regno=i.regno group by regno;
select fid,count(*) as Number_of_Students from stu_reg_courses group by fid;
select count(*) as Number_of_students_register_in_ERP from student;
```

Number_of_students_register_in_ERP
5