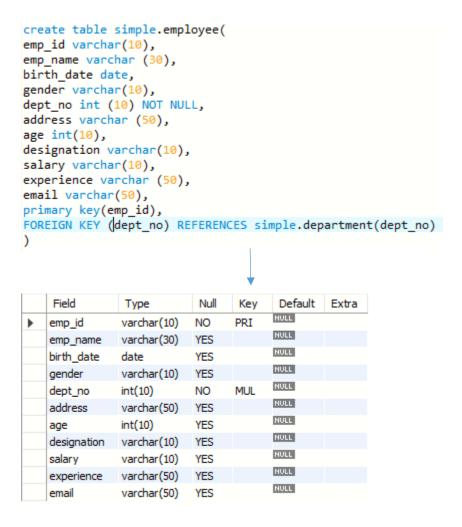
SET 2

11. Create the EMP Table with all necessary constraints such as

In EMP TABLE: Employee id should be primary key, Department no should be foreign key, employee age (birthdate) should be greater than 18 years, salary should be greater than zero, email should have (@ and dot) sign in address, designation of employee can be "manager", "clerk", "leader", "analyst", "designer", "coder", "tester".

1. Create DEPT table with necessary constraint such as Department no should be primary key, department name should be unique.



insert into department (dept_no,dept_name,location) values (1,'production','ahmedabad'); dept_no dept_name location ahmedabad production 1 10 NY Account 20 HR NY 30 Production DL 40 Sales NY 50 MU IT

110

RND

NULL

AΗ

NULL

```
alter table employee add CONSTRAINT age check(age > 18);
alter table employee add FOREIGN KEY (dept_no) REFERENCES department(dept_no);
```

emp_id emp_name birth_date gender dept_no address age designation salary experience email

	emp_id	emp_name	birth_date	gender	dept_no	address	age	designation	salary	experience	email
•	101	paresh	1995-06-09	male	1	ahmedabad	22	executive	1000	2	kjain8255@gmail.com
	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

insert into employee(emp_id,emp_name,birth_date,age,address,email,gender,designation,experience,dept_no,salary)
values(101,'paresh','1995/06/09',22,'ahmedabad','kjain8255@gmail.com','male','executive',2,1,1000);

```
ALTER TABLE employee ADD CONSTRAINT email CHECK(email LIKE '% @ %._%');
```

select emp_id,emp_name,designation,dept_name,location from employee e,department d where e.dept_no=d.dept_nd

 emp_id
 emp_name
 designation
 dept_name
 location

 b
 101
 paresh
 executive
 production
 ahmedabad

```
ALTER TABLE employee ADD CONSTRAINT designation check(designation = 'manager' or 'clerk' or 'leader' or 'analyst' or 'designer' or 'coder' or 'tester');
```

12. After creation of above tables, modify Employee table by adding the constraints as 'Male' or 'Female' in gender field and display the structure. ALTER TABLE employee ADD CONSTRAINT gender check('male'or'female')

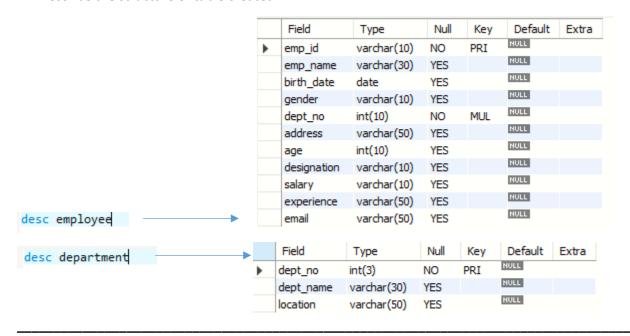
13. Insert proper data (at least 5 appropriate records) in all the tables.

```
INSERT INTO employee VALUES ('107', 'Divy', '1996-02-02', 'male', '1', 'Jamjodhpur', '21', 'executive', '20000', '3', 'divy@gmail.com');
INSERT INTO employee VALUES ('108', 'Divya', '1996-02-02', 'female', '1', 'Jamjodhpur', '21', 'executive', '20000', '3', 'Divya@gmail.com');
INSERT INTO employee VALUES ('109', 'Dev', '1996-02-02', 'male', '1', 'Jamjodhpur', '21', 'executive', '20000', '3', 'dev@gmail.com');
INSERT INTO employee VALUES ('110', 'Devanshi', '1996-02-02', 'female', '1', 'Jamjodhpur', '21', 'executive', '20000', '3', 'devanshi@gmail.com');
INSERT INTO employee VALUES ('111', 'Darshati', '1996-02-02', 'female', '1', 'Jamjodhpur', '21', 'executive', '20000', '3', 'darshati@gmail.com');
```

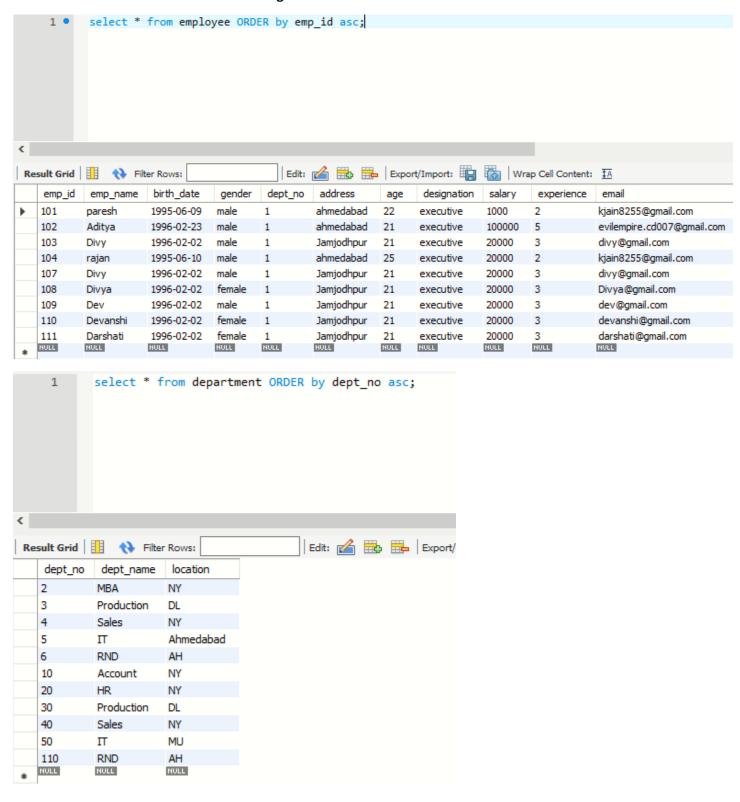
	emp_id	emp_name	birth_date	gender	dept_no	address	age	designation	salary	experience	email
•	101	paresh	1995-06-09	male	1	ahmedabad	22	executive	1000	2	kjain8255@gmail.com
	102	Aditya	1996-02-23	male	1	ahmedabad	21	executive	100000	5	evilempire.cd007@gmail.com
	103	Divy	1996-02-02	male	1	Jamjodhpur	21	executive	20000	3	divy@gmail.com
	104	rajan	1995-06-10	male	1	ahmedabad	25	executive	20000	2	kjain8255@gmail.com
	107	Divy	1996-02-02	male	1	Jamjodhpur	21	executive	20000	3	divy@gmail.com
	108	Divya	1996-02-02	female	1	Jamjodhpur	21	executive	20000	3	Divya@gmail.com
	109	Dev	1996-02-02	male	1	Jamjodhpur	21	executive	20000	3	dev@gmail.com
	110	Devanshi	1996-02-02	female	1	Jamjodhpur	21	executive	20000	3	devanshi@gmail.com
	111	Darshati	1996-02-02	female	1	Jamjodhpur	21	executive	20000	3	darshati@gmail.com
	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

insert insert insert	into into into	department department department department department	values values values	(3 (4 (5	, 'Pı , 'Sa , 'I'	roductionales','N		
						dept_no	dept_name	location
					•	1	production	ahmedabad
						2	MBA	NY
						3	Production	DL
						4	Sales	NY
						5	IT	Ahmedabad
						6	RND	AH
						10	Account	NY
						20	HR	NY
						30	Production	DL
						40	Sales	NY
						50	Π	MU
						110	RND	AH
						NULL	NULL	NULL

14. Describe the structure of table created



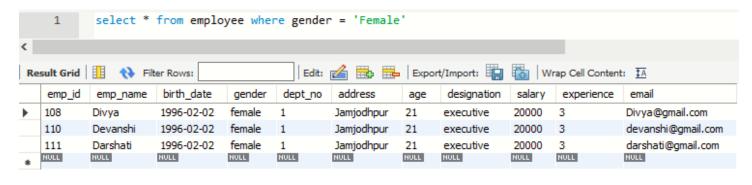
15. List all records of each table in ascending order.



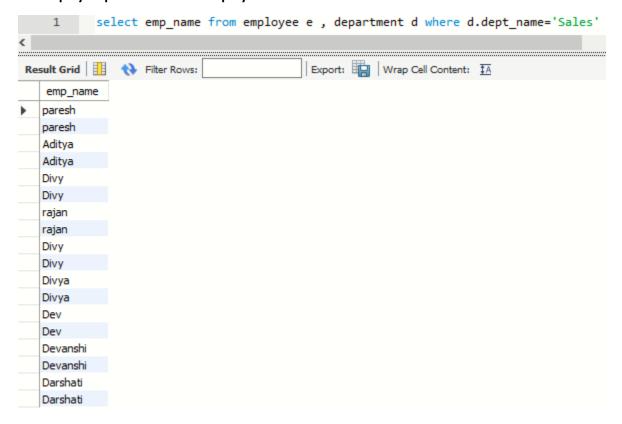
16. Delete the department whose location is Ahmedabad.

delete from department where location = 'Ahmedabad'

17. Display female employee list



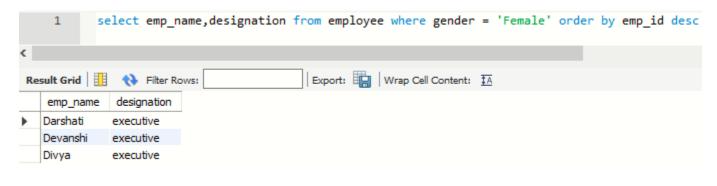
18. Display Depart name wise employee Names



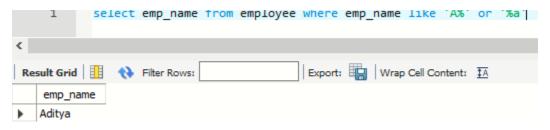
19. Find the names of the employee who has salary less than 5000 and greater than 2000.



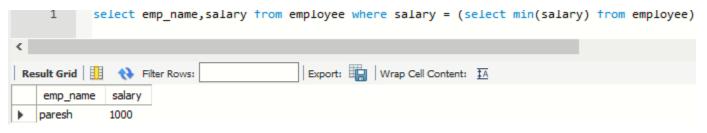
20. Display the names and the designation of all female employee in descending order.



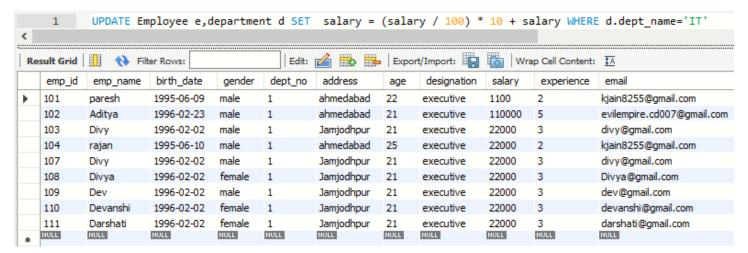
21. Display the names of all the employees who names starts with 'A' ends with 'a'.



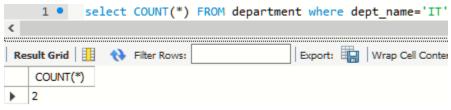
22. Find the name of employee and salary for those who had obtain minimum salary.



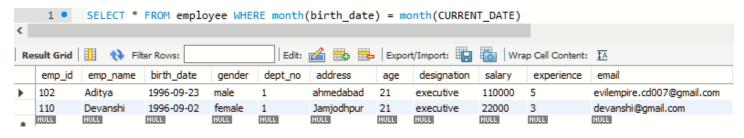
23. Add 10% raise in salary of all employees whose department is 'IT'.



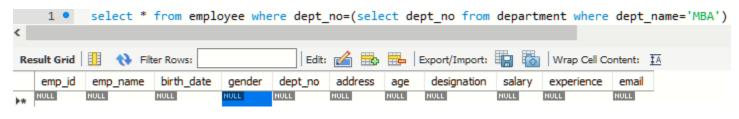
24. Count total number of employees of 'IT' department.



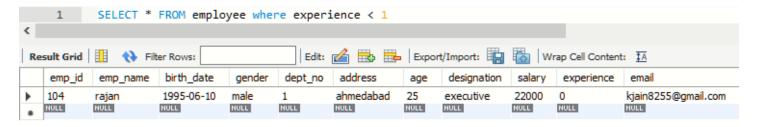
25. List all employees who born in the current month.



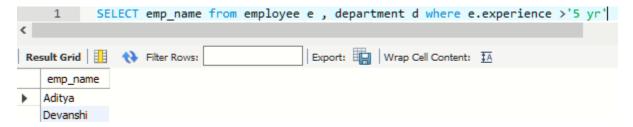
26. Print the record of employee and dept. table as "Employee works in department 'MBA'.



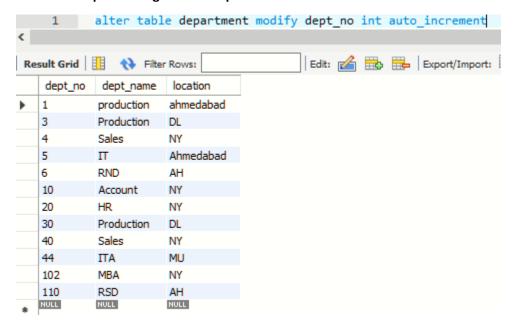
27. List names of employees who are fresher's (less than 1 year of experience).



28. List department wise names of employees who has more than 5 years of experience.



29. Crete Sequence to generate department ID



30. List department having no employees

