This is my 3rd phase of project, my project is hospital management system. I have all together 13 tables. I have taken snapshot of all the table I have created and inserted the 3 data entities in each table.

```
pramod.kc=> \d
             List of relations
 Schema |
                       Type
              Name
                                    Owner
 public |
                                 pramod.kc
          doctor
                         table |
 public
                         table
          employee
                                 pramod.kc
                         table |
 public
          guide
                                 pramod.kc
                        table |
 public
          medicine
                                 pramod.kc
 public
                        table
                                 pramod.kc
          nurse
public |
public |
public |
public |
                        table |
table |
table |
table |
          patient
                                 pramod.kc
          pays_for
                                 pramod.kc
                                 pramod.kc
          receptnist
          record
                                 pramod.kc
 public
                        table
                                 pramod.kc
          room
                        table |
          room class
                                 pramod.kc
 public
 public
          take care
                        table
                                 pramod.kc
 public
           treatment
                       table
                                 pramod.kc
(13 rows)
```

```
oramod.kc=> select * from doctor;
               guest
                                       id_number
 intern
                          parmanent
                                       E7
E21
Dr.Raffel
             DR.Jenesse
                          DR.KC
                                        EF41
(3 rows)
oramod.kc=> select * from guide;
id | room number
2345
       N1
2346
       N2
2307
       NЗ
(3 rows)
oramod.kc=> select * from medicine;
   name | time_to_take |
             9 am
Paravitamin
                              Energy
Gulcose
               12 pm
                              Energy
             8 pm
Paracetamol
                              fever
(3 rows)
```

```
pramod.kc=> select *from nurse;
intern | guest | parmanent | id_number
                                         N1
  ronny
              Bunny |
| Honney
                                         | N2
| N3
(3 rows)
pramod.kc=> Select * from patient;
name | patient_id_number | address | phone_number | sex
                                                                                                                                | admitted_date | discharged_date | age
  name
                                                              | NYC Joe
| NYC Jonsebor
| NYC Wallstreet
                                | p3
| p1
| p21
                                                                                              879564356 | male
879544356 | male
879504356 | male
                                                                                                                                 Feb 3
                                                                                                                                                         Feb 26
                                                                                                                                                                                       21
29
79
 Janny
 Rabi
                                                                                                                                                          Jan 26
Feb 30
                                                                                                                                 Jan 3
Jan 31
 James
(3 rows)
pramod.kc=> Select * from pays-for;
ERROR: syntax error at or near "-"
LINE 1: Select * from pays-for;
pramod.kc=> Select * from pays_for;
name | patient_id_number
---------
 Paravitamin | pl
Gulcose | p2
Paracetamol | p3
(3 rows)
```

```
pramod.kc=> select * from record;
 record_no |
                                    appointment_with
             DR.Raffel
DR.Janesses
 E7
 E8
             DR.KC
 E9
(3 rows)
pramod.kc=> select * from room;
room number
 9756
 9654
 9346
(3 rows)
pramod.kc=> select * from room_class;
general | first_class | second_class | room_number
(0 rows)
```

1. Find all the Employees' names.

```
pramod.kc⇒ select name from employee;
name

Peter
Rambo
Adil
Dr.KC
Dr.Raffel
Dr.Jenesse
(6 rows)

pramod.kc⇒■
```

Peter 56784 d Street Male 9 Ca	1 1
	ardeologist 40000 870423
Rambo 56794 ad Street Male 10 Phe	esotheraphist 5000000 170423
Adil 16794 ADCD Street Female 10 Phe	esotheraphist 500000 270423
Dr.KC EF41 Walking loads Street Male 3 Den	ntist 700000 470423
Dr.Raffel E7 Walking Street Female 10 Phy	ysothirapist 800000 570423
Dr.Jenesse E21 Walking dead Street Male 5 Car	rdiologist 600000 370423
6 rows)	

2. Find salary of peter.

```
pramod.kc=> select salary from employee where name = 'Peter';
  salary
  40000
(1 row)
```

3. Find all the Employee who are dentist.

4. Find the employee who lives in d street.

```
pramod.kc=> select name from employee where address = 'd Street';
name

Peter
(1 row)

pramod.kc=> |
```

5. Find all the Employee who are Phesotheraphist

```
ramod.kc=> select name from employee where specialization_field = 'Phesotheraphist';
name
Rambo
Adil
(2 rows)
```

6. 6. Find all the Employee whose office hours is less than 10. 6. Find all the Employee whose

office hours is less than 10.

7. Find all the Employee whose salary is less than 100000.

```
pramod.kc=> select name from employee where salary < 100000;
name
Peter
(1 row)
```

8. Find the Employee whose id is EF41 and is Dentist.

9. Find the Employee whose salary is above 50,000 and office hour is greater than 3.

10. Find the addresses, and names for those who are dentist.

```
pramod.kc=> select name, address from employee where specialization_field = 'Dentist';
name | address
Dr.KC | Walking loads Street
(1 row)
```

11. Find the address of the doctor who gives treatment to the patient id number p1

```
pramod.kc=> select address from treatment, employee where patient_id_number = 'pl' and treatment.id_number = employee.id_number;

address

Walking Street
(1 row)

pramod.kc=>
```

12. Find the office_hour of the doctor who gives treatment to the patient_id_number

p2.

13. Find the name, office hour of the doctor who gives treatment to the patient id number p3.

```
pramod.kc=> select office_hours,name from employee,treatment where patient_id_number = 'p3' and treatment.id_number = employee.id_number;

office_hours | name

5 | Dr.Jenesse
(1 row)
```

14. Find the name, office hour and Specialization of the doctor who gives treatment to the patient_id_number p2 who is the patient of cardio. Is the doctor chosen for this operation is good to take treatment?

```
pramod.kc=> select office_hours,name,specialization_field from employee,treatment where patient_id_number = 'p2' and treatment.id_number = employee.id_number;

office_hours | name | specialization_field

3 | Dr.KC | Dentist

(1 row)
```

No the doctor is not good to do operation since he is dentist and the patient is having problem about cardio.

15. Find Name and address of those employee, whose salary is more than the average salary with the help of subquery ALL.

16 Select name of the employee who are not guide with the use of NOT EXISTS subquery.

17. Select all the employee data except for those employees who have minimum salary?

name	id_number	where salary > any (sel address	sex		specialization_field	salary	phone_number
Rambo	56794	ad Street	Male	10	Phesotheraphist	5000000	1704237
Adil	16794	ADCD Street	Female	10	Phesotheraphist	500000	2704237
Dr.KC	EF41	Walking loads Street	Male	3	Dentist	700000	4704237
Dr.Raffel	E7	Walking Street	Female	10	Physothirapist	800000	5704237
Dr.Jenesse (5 rows)	E21	Walking dead Street	Male	5	Cardiologist	600000	3704237

18. Find ID , office_hours and Salary of those employee who are involved in treatments with the help of IN subquery.

19. Find the name of the medicines which are EXISTS in pays for with the use of EXIST subquery.

20. Find hospital rooms which are not used in guiding purpose with the help of NOT IN subquery.

```
pramod.kc=> Select id from guide where ID not IN(select room_number from room where room.room_number =guide.room_number);
id
-----
2345
2346
2307
(3 rows)

pramod.kc=> ■
```

21. Find all the IDS of the employees (with reputation allows) who are also taking care of patients with the help of UNION ALL Subquery.

22. Find the id of the Employees that are not taking care of patients with the help of EXCEPT sub Query.

```
pramod.kc=> Select id_number from employee except select id_number from take_care;
id_number
16794
56794
56784
(3 rows)
```

23. Find the common ids which are in Employee as well as taking care of person

list.

```
pramod.kc=> Select id_number from employee intersect select id_number from take_care;
id_number
E7
E21
EF41
(3 rows)
pramod.kc=>
```

24, Select all medicines names which are in medicines as well as in pays for with the use of UNION (without repetition of medicine name)

25. Find name of the all medicines since which are in medicines but not in pays for with the help of EXCEPT subquery.

```
pramod.kc=> select name from pays_for except select name from medicine;
name
(0 rows)
pramod.kc=> 

| |
```

Using CROSS JOIN, NATURAL JOIN, THETA JOIN (INNER JOIN)

26. Find the name and the record number of the employee using Inner Join.

ANSWER:

```
SELECT Employee.Name, Take_care.Record_No, Employee.Address
FROM Employee
Inner Join Take care
ON Employee.Id Number = Take care.Id Number;
```

```
oramod.kc=> select * from take_care;
record_no | id_number
                   | E21
| E7
| EF41
 E7
E8
 (3 rows)
pramod.kc=> select * from employee;
name | id_number |
                                                                      address
                                                                                                                    | office_hours | specialization_field | salary | phone_number
  Peter
                                                           d Street
                                                                                                   Male
Male
                                                                                                                                                                                                                8704237
                                       56784
                                                                                                                                                  Cardeologist
                                                                                                                                                                                          40000
                                                        | d Street
| ad Street
| ADCD Street
| Walking loads Street
| Walking Street
| Walking dead Street
                                        56794
                                                                                                                                                Phesotheraphist
                                                                                                                                                                                       5000000
                                                                                                                                                                                                                1704237
                                                                                                   Female
Male
Female
                                                                                                                                         10 | Phesotheraphist
3 | Dentist
10 | Physothirapist
5 | Cardiologist
  Adil
                                       16794
                                                                                                                                                                                                                2704237
4704237
                                                                                                                                        10
                                                                                                                                                                                        500000
  Dr.KC
Dr.Raffel
                                       EF41
                                                                                                                                                                                         700000
                                      E7
E21
                                                                                                                                                                                         800000
                                                                                                                                                                                                                5704237
 Dr.Jenesse
(6 rows)
                                                                                                   Male
                                                                                                                                                                                        600000
                                                                                                                                                                                                                3704237
pramod.kc=> select employee.name, take_care.record_no,employee.address
pramod.kc=> seceo.
from employee
Inner join take_care
ON employee.id_number = take_care.id_number;
On employee.id_number = take_care.id_number;
                                                                     address
                                                          Walking dead Street
Walking Street
Walking loads Street
                                       E7
E8
E9
  Dr.Jenesse
Dr.Raffel
 (3 rows)
```

27. Find the name, record_no, address, and the specialization_field of the doctors using Inner Join.

ANSWER:

```
SELECT Employee.Name, Take_care.Record_No,
Employee.Address,Employee.specialization_field
FROM Employee
Inner Join Take care
ON Employee.Id Number = Take care.Id Number;
```

```
pramod.kc=> select employee.name, take_care.record_no,employee.address,employee.specialization_field
from employee
Inner join take_care
ON employee.id_number = take_care.id_number;
        name
                       | record no |
                                           address
                                                            | specialization_field
                                     Walking dead Street
                                                             Cardiologist
Dr.Jenesse
                                     Walking Street
Walking loads Street
Dr.Raffel
                                                              Physothirapist
                        E9
Dr.KC
                                                             Dentist
(3 rows)
```

28. Find the patient_ID_Number who is treated by the doctor with certain using Inner Join.

ANSWER:

```
SELECT Treatment.Patient_ID_Number, Patient.Name
FROM Patient
Inner Join Treatment
ON Treatment.patient_Id_Nuumber = Patient.patient_ID_Number;
```

29. Find the patient Discharge date who was assign to take the certain medicine using Inner Join.

ANSWER:

```
SELECT Patient.patient_ID_Number, pays_for.Name,
Patient.Dischargedd_date
FROM Patient
INNER JOIN Pays_for
ON Pays_for.Patient_ID_Number = Patient.patient_ID_Nmber;
```

30. Find the age, name and id number of patient who is treated by the doctor with certain doctor Id number using Inner Join.

ANSWER:

```
SELECT
patient.name,patient.patient_ID_Number,patient.age,treatment.id_Number
FROM Patient
INNER JOIN Treatment
ON Treatment_ID_Number = Patient.patient_id_Number
```

Se

31. List all the doctor who are employee using upper Join.

Answer:

SELECT Employee.Name, Doctor.Id_Number FROM Employee LEFT JOIN Doctor ON Employee.ID_Number = Doctor.ID_Number Order BY Employee.ID Number;

32. Find the name of the patient and the name of the medicine they are taking using right join.

ANSWER:

SELECT pays for.name, patient.name

FROM pays_for
RIGHT JOIN patient
ON Pays_For.patient_Id_Number = Patient.patient_ID_Number
Order by patient.name;

33. SELECT all Doctor and all patients who has taken treatments from the doctors using Outer Join.

ANSWER:

SELECT Doctor.parmanent,Treatment.Patient_ID_Number FROM Doctor FULL OUTER JOIN Treatment ON Doctor.Id Number = Treatment.id Number

ORDER BY Doctor.parmanent;

34. Find the id number and the Recod number using Outer Join.

ANSWER:

```
<u>SELECT Take_Care.Id_Number,Record_No</u>
FROM Take_Care
Full Outer Join Record
On Take Care.Record No = Record.Record No;
```

35. Find the maximum salary by the each sex using having, group by and aggregate function.

ANSWER:

SELECT Sex, MAX (Salary)

FROM Employee

Group By Sex MAX(office_hours) = 10;

36. Find the MIN salary and the Sex whose office hours is equal to 10.

Answer:

SELECT Sex, MIN (Salary)

FROM Employee

Group by Sex

Having MIN(Office Hours) = 10;

37. Grouping by SEX, Find the total working hours of all male and female along with their total sum of salary.

ANSWER:

SELECT SEX , SUM(Office_Hours) AS perday, SUM(Salary) AS Total_Gender_salary FROM Employee GROUP BY Sex having MIN(Office_Hours) >1;

38. Find the average salary of the sex who has minimum working hours equal to 10.

ANSWER:

```
SELECT SEX, AVG(Salary)
FROM Employee
GROUP BY Sex having MIN(Office Hours) = 10;
```

```
pramod.kc=> SELECT Sex, AVG (Salary)
FROM Employee
Group By Sex having min(office_hours) = 10;
sex | avg
Female | 650000.00000000000
(1 row)
pramod.kc=> ■
```

39. Find the Number of employee group by sex having Minimum office hours equal to 10

ANSWER:

```
SELECT Sex, Count(Salary)
FROM Employee
Group By Sex having MIN(Office Hours) =10;
```

40. Insert a value into the table Employee.

Answer:

Insert Into

Employee(name,id_number,address,Sex,office_hours,specialization_field,Salary,Phone_number)

Values('Randy','54328','DangoRando Street','male','17','physicyan','10000000','8702106');

name	id_number	address	sex	office_hours	specialization_field	salary	phone_number
Peter	56784	d Street	Male	9	Cardeologist	40000	8704237
Rambo	56794	ad Street	Male	10	Phesotheraphist	5000000	1704237
Adil	16794	ADCD Street	Female	10	Phesotheraphist	500000	2704237
Dr.KC	EF41	Walking loads Street	Male	3	Dentist	700000	4704237
Dr.Raffel	E7	Walking Street	Female	10	Physothirapist	800000	5704237
Dr.Jenesse	E21	Walking dead Street	Male	5	Cardiologist	600000	3704237

pramod.kc=> Insert Into Employee(name,id_number,address,sex,office_hours,specialization_field,salary,phone_number)
Values('Randy','54328','DangoRando Street','male','17','Physicyan','100000000','8702106');
INSERT 0 1

name	id_number	address +	sex +	office_hours	specialization_field	salary +	phone_number +
eter	56784	d Street	Male	9	Cardeologist	40000	8704237
tambo	56794	ad Street	Male	10	Phesotheraphist	5000000	1704237
dil	16794	ADCD Street	Female	10	Phesotheraphist	500000	2704237
r.KC	EF41	Walking loads Street	Male	3	Dentist	700000	4704237
r.Raffel	E7	Walking Street	Female	10	Physothirapist	800000	5704237
r.Jenesse	E21	Walking dead Street	Male	5	Cardiologist	600000	3704237
landy ′rows)	54328	DangoRando Street	male	17	Physicyan	100000000	8702106

```
pramod.kc=> select * from treatment;
id_number | patient_id_number
E7
E21
EF41
                  p1
p3
                  p2
(3 rows)
pramod.kc=> select * from patient;
name | patient_id_number |
                                                                                                                            | admitted_date | discharged_date | age
                                                                  address
                                                                                    | phone_number |
                                                                                                                sex
                                                              NYC Joe |
NYC Jonsebor |
NYC Wallstreet |
                                                                                                         male
 Janny
                                 р3
                                                                                           879564356
                                                                                                                              Feb 3
                                                                                                                                                     Feb 26
                                                                                                                                                                                21
                                                                                                                                                                                29
79
                                | p1
| p21
 Rabi
                                                                                                                              Jan 3
                                                                                           879544356
                                                                                                         | male
                                                                                                                                                     Jan 26
                                                                                           879504356 | male
                                                                                                                              Jan 31
                                                                                                                                                   Feb 30
 James
(3 rows)
pramod.kc=> insert into treatment(id_number, patient_id_number)
pramod.kc-> VALUES('E18',(SELECT patient_id_number FROM patient WHERE name = 'Janny'));
INSERT 0 1
pramod.kc=> select * from treatment;
id_number | patient_id_number
                 p1
p3
p2
p3
 E7
 EF41
E18
(4 rows)
pramod.kc=>
```

42. DELETE PRAMOD

name	id_number	address	sex	office_hours	specialization_field	salary	phone_number
Peter	56784	d Street	Male] 9	Cardeologist	40000	8704237
Rambo	56794	ad Street	Male	10	Phesotheraphist	5000000	1704237
Adil	16794	ADCD Street	Female	10	Phesotheraphist	500000	2704237
Dr.KC	EF41	Walking loads Street	Male	3	Dentist	700000	4704237
Dr.Raffel	E7	Walking Street	Female	10	Physothirapist	800000	5704237
Dr.Jenesse	E21	Walking dead Street	Male	5	Cardiologist	600000	3704237
Randy	54328	DangoRando Street	male	17	Physicyan	100000000	8702106
7 rows) ramod.kc=> DELETE F ramod.kc-> WHERE ic ELETE 1 ramod.kc=> select *	d_number = 'EF4 * from employee						
ramod.kc=> DELETE F ramod.kc-> WHERE ic ELETE 1	d_number = 'EF4		sex	office_hours	specialization_field	salary	phone_number
ramod.kc=> DELETE F ramod.kc-> WHERE ic ELETE 1 ramod.kc=> select * name	d_number = 'EF4 * from employee	; address d Street	sex + Male	office_hours 	specialization_field 	salary	phone_number 8704237
ramod.kc=> DELETE F ramod.kc-> WHERE ic ELETE 1 ramod.kc=> select * name Peter Rambo	d_number = 'EF4 * from employee id_number	; address	+ Male Male	+	Cardeologist Phesotheraphist	·	····
ramod.kc=> DELETE f ramod.kc-> WHERE ic ELETE 1 ramod.kc=> select * name 	d_number = 'EF4 * from employee id_number 	address d Street ad Street ADCD Street	Male Male Male Female	9	Cardeologist Phesotheraphist Phesotheraphist	40000	8704237
ramod.kc=> DELETE F ramod.kc-> WHERE ic ELETE 1 ramod.kc=> select * name Peter Rambo Adil Dr.Raffel	d_number = 'EF4 * from employee id_number	; address d Street ad Street ADCD Street Walking Street	Male Male Male Female Female		Cardeologist Phesotheraphist Phesotheraphist Phesotherapist Physothirapist	40000 5000000 500000 800000	8704237 1704237 2704237 5704237
ramod.kc=> DELETE F ramod.kc-> WHERE ic ELETE 1 ramod.kc=> select * name Peter Rambo Adil Dr.Raffel Dr.Jenesse	d_number = 'EF4 * from employee	address d Street ad Street ADCD Street Walking Street Walking dead Street	Male Male Male Female Female Male	9 10 10 10 5	Cardeologist Phesotheraphist Phesotheraphist Physothirapist Cardiologist	40000 5000000 500000 800000 600000	8704237 1704237 2704237 5704237 3704237
ramod.kc=> DELETE F ramod.kc-> WHERE ic ELETE 1 ramod.kc=> select * name Peter Rambo Adil Dr.Raffel	d_number = 'EF4 * from employee id_number	; address d Street ad Street ADCD Street Walking Street	Male Male Male Female Female	9 10 10	Cardeologist Phesotheraphist Phesotheraphist Phesotherapist Physothirapist	40000 5000000 500000 800000	8704237 1704237 2704237 5704237

43. DELETE

name	id_number	address	sex	office_hours	specialization_field	salary	phone_number
eter	56784	d Street	Male	9	Cardeologist	40000	8704237
Rambo	56794	ad Street	Male	10	Phesotheraphist	5000000	1704237
dil	16794	ADCD Street	Female	10	Phesotheraphist	500000	2704237
r.Raffel	E7	Walking Street	Female	10	Physothirapist	800000	5704237
r.Jenesse	E21	Walking dead Street	Male	5	Cardiologist	600000	3704237
Randy 5 rows)	54328	DangoRando Street	male	17	Physicyan	100000000	8702106
ramod.kc=> DELETE HERE Address = 'd S	Street';						
ERE Address = 'd 9 LETE 1	Street'; * from employee	; address	sex	office_hours	specialization_field	salary	phone_number
ERE Address = 'd 9 LETE 1 amod.kc=> select ' name	Street'; * from employee id_number	address +	+	office_hours	·	+	phone_number
ERE Address = 'd S LETE 1 amod.kc=> select a name ambo	Street'; * from employee		sex + Male	office_hours	Phesotheraphist	salary +	phone_number + 1704237
ERE Address = 'd S LETE 1 amod.kc=> select ' name 	Street'; * from employee id_number	address + ad Street ADCD Street	+	-+		+	+
ERE Address = 'd S LETE 1 amod.kc=> select ' name 	Street'; * from employee id_number 	address +	+ Male	-+ 10	Phesotheraphist	5000000	1704237
MERE Address = 'd S ELETE 1 Tamod.kc=> select in name Nambo Nadil Dr.Raffel	Street'; * from employee id_number 56794 16794	address + ad Street ADCD Street	+ Male Female Female	10 10		+	1704237 2704237 5704237
HERE Address = 'd 9 ELETE 1 Tamod.kc=> select °	Street'; * from employee id_number 	address +	+ Male Female Female	10 10 10	Phesotheraphist Phesotheraphist Phesotheraphist Physothirapist	5000000 500000 800000	1704237 1704237 2704237 5704237 3704237

44. UPDATE1

	id_number	address	sex	office_hours	specialization_field	salary	phone_number
ambo	56794	ad Street	Male	10	Phesotheraphist	5000000	1704237
dil	16794	ADCD Street	Female	10	Phesotheraphist	500000	2704237
r.Raffel	E7	Walking Street	Female	10	Physothirapist	800000	5704237
r.Jenesse	E21	Walking dead Street	Male	5	Cardiologist	600000	3704237
Randy 5 rows)	54328	DangoRando Street	male	17	Physicyan	100000000	8702106
PDATE 1 ramod.kc=> select * name	from employee		l sex	Loffice hours	specialization field	salarv	phone number
	1 24_114111501	aaa. 555	:	1 0111202110410	opociacizacion_/ioca	5 a ca. j	priorie_riuiiber
	56794		+ Male	1 10	+	5000000	+
Rambo	. .	+	+ Male Female	-+	+		+ 1704237 5704237
Rambo Dr.Raffel	56794	ad Street	Female	10	+	5000000	1704237
Rambo Dr.Raffel Dr.Jenesse Randy	56794 E7	ad Street Walking Street	Female	10 10	 Phesotheraphist Physothirapist	500000 800000	1704237 5704237
 Rambo Or.Raffel Or.Jenesse	56794 E7 E21	ad Street Walking Street Walking dead Street	Female Male	10 10 10 5	Phesotheraphist Physothirapist Physothirapist Cardiologist	5000000 800000 600000	170423 570423 370423

45. <u>VIEW</u>

name	id_numbér	address	sex	office_hours	specialization_field	salary	phone_number
Rambo	56794	ad Street	Male	10	Phesotheraphist	5000000	1704237
Dr.Raffel	E7	Walking Street	Female	10	Physothirapist	800000	5704237
Dr.Jenesse	E21	Walking dead Street	Male	5	Cardiologist	600000	3704237
Randy	54328	DangoRando Street	male	17	Physicyan	100000000	8702106
Jeff	16794	ADCD Street	Female	10	Phesotheraphist	500000	2704237
(5 rows)							

	* from show_employee;		0.40 00 90.40	
name	address	office_hours	specialization_field	phone_number
Rambo	ad Street	10	Phesotheraphist	1704237
Dr.Raffel	Walking Street		Physothirapist	5704237
Dr.Jenesse	Walking dead Street	5	Cardiologist	3704237
Randy	DangoRando Street	17	Physicyan	8702106
Jeff	ADCD Street	10	Phésotheraphist	2704237
5 rows)				

46. Trigger;

CREATE TABLE Employee(First_Name varchar(20), Last_Name Varchar(20), ID_Number Number); CREATE TABLE Employee_Duplicate(First_Name varchar(20), Last_Name Varchar(20), ID_Number number);

CREATE or REPLACE TRIGGER asty AFTER INSERT ON Employee

FOR EACH ROW

DECLARE

BEGIN

INSERT INTO Employee_Duplicate VALUES(:NEW.First_Name, :NEW.Last_Name,:NEW.ID_Number); END;

INSERT INTO Employee_Duplicate VALUES(:new.First_Name, :new.Last_Name,:new.ID_Number);

CREATE or REPLACE TRIGGER staff_after_insert_trigger AFTER INSERT ON Employee FOR EACH ROW DECLARE

BEGIN

INSERT INTO staff_backup VALUES (:NEW.First_Name, :NEW.Last_Name, :NEW.ID_Number); END;

SELECT * from Employee;

INSERT INTO EMPLOYEE VALUES ('PRAMOD', 'KC', 870);

```
SQL> SELECT * FROM EMPLOYEE;
                         selected
          rows
 10
70)
QL> CREATE or REPLACE TRIGGER asty AFTER INSERT ON Employee
01 > RF
        4 5 INSERT INTO Employee_Duplicate VALUES(:NEW.First_Name, :NEW.Last_Name,:NEW.ID_Number);
QL> run
QL> CREATE or REPLACE TRIGGER asty AFTER INSERT ON Employee
QL> FOR EACH ROW 
QL> DECLARE
QL> INSERT INTO Employee_Duplicate VALUES(:NEW.First_Name, :NEW.Last_Name,:NEW.ID_Number);
QL> END;
QL> er created.
QL>
QL> INSERT INTO EMPLOYEE VALUES ('PRAMOD', 'KC',870);
QL> T INTO EMPLOYEE VALUES ('PRAMOD', 'KC'
QL> INSERT INTO EMPLOYEE VALUES ('PrINSERT ..." - rest of line ignored.
QL> 734: unknown command beginning "
SQL> INSERT INTO EMPLOYEE VALUES('PRAMOD', 'KC', 870);
  row created.
SQL> Select * from Employee;
FIRST NAME
                             LAST NAME
                                                            ID NUMBER
PRAMOD
                             KC
                                                                    870
SQL> Select * from Employee Duplicate;
Select * from Employee Duplicate
RROR at line 1:
DRA-00911: invalid character
SQL> Select * from Employee Duplicate;
FIRST NAME
                            LAST NAME
                                                            ID NUMBER
PRAMOD
                                                                    870
SQL>
```

execute insert_Employee('PRAMOD', 'KC', 870);

47. Psm

```
CREATE OR REPLACE PROCEDURE insert_Employee(a IN Varchar, b IN varchar, c IN Number)

AS

BEGIN

INSERT INTO Employee VALUES(a,b,c);

dbms_output.put_line('Yahooooo Data added.');

END;

/
```

48. Primary key.

49. Foreign key

```
pramod.kc=> CREATE table Employee2(FirstName Varchar(20), LastName Varchar(30),EYP2_ID Int,Foreign Key (Eyp2_id) references Employee1(id));

CREATE TABLE
pramod.kc=> \employee2;
Invalid command \employee2;
Table "public.employee2"

Column | Type | Modifiers

firstname | character varying(20) |
lastname | character varying(30) |
eyp2_id | integer |
Foreign-key constraints:
    "employee2_eyp2_id_fkey" FOREIGN KEY (eyp2_id) REFERENCES employee1(id)

pramod.kc=> ■
```

50. Check

51. Constraints