1. List all employee names in alphabetical order and employee id's in the employee relation whose emp-id starts with '121'.

```
Select emp-name
From employee
Where emp-id like '121%'
Order by emp-name;
```

2. Find the names of all branches in the branch relation.

```
Select location
From branch;
```

3. Delete the accounts table.

```
Drop table account;
```

4. Find all skills which have more than or equal to 7 months of experience.

```
(Select skill_name
From technical
Where experience >= 7)
Union
(Select skill_name
From non_technical
Where experience >= 7);
```

5. Delete the surgeries column from table medical records.

```
Alter table medical_records
Drop column surgeries;
```

6. Count the number of expenditures which have an amount less than ₹8000 and display the amount.

```
Select count(type), amount
From expenditure
Where amount < 8000
group by amount;
```

7. Group the volunteers by certificate and their total work hours combined.

```
SELECT certification, SUM(hours_worked) as total_hours
FROM volunteer
GROUP BY certification;
```

8. Which branch has the maximum number of underprivileged people?

```
SELECT branch_id, location, no_of_needy_people
FROM branch
ORDER BY no_of_needy_people DESC
LIMIT 1;
```

9. Find the names of all the underprivileged women whose level of education is 12th and who are older than 21.

```
Select aadhar-no, n-name, n-age, level of edu
From underpriveleged_people
Group by level of edu
Having n-age > 21
```

10. Rename column name ‘no. of needy people’ as ‘no_of_underpri_people’.

```
Select no. of needy people as no_of_underpri_people
From branch;
```

11. Find the name and age of dependents who are older than 18.

```
SELECT d_name, d_age
FROM dependents
WHERE d_age > 18;
```

12. Find the total amount donated by each type of donation:

```
SELECT type, SUM(amount) AS total_donation
FROM donations
GROUP BY type;
```

13. Create a view consisting of employees and their designation, i.e. volunteer and admin.

```
CREATE VIEW employee_designation AS
SELECT e.emp_id, e.emp_name, e.emp_phone, e.emp_email,
CASE WHEN v.emp_id IS NOT NULL THEN 'Volunteer'
    WHEN a.emp_id IS NOT NULL THEN 'Admin'
    ELSE 'Employee' END AS designation
FROM employee e
LEFT JOIN volunteer v ON e.emp_id = v.emp_id
LEFT JOIN admin a ON e.emp_id = a.emp_id;
```

14. What are the names of all employees who have the designation of 'Admin'? Answer using views.

```
SELECT DISTINCT emp_name
FROM employee_designation
```

```
WHERE designation = 'Admin';
```

15. Find all admins who have substring ‘pass’ in their username using views.

```
SELECT DISTINCT employee_designation.emp_name, admin.username
FROM employee_designation
INNER JOIN admin ON employee_designation.emp_id = admin.emp_id
WHERE designation = 'Admin' AND username LIKE '%pass%';
```

16. Find all volunteers who have a certificate using views.

```
CREATE VIEW volunteer_with_certificate AS
SELECT * FROM volunteer
WHERE certification IS NOT NULL;

SELECT * FROM volunteer_with_certificate;
```