TABLE SCHEMA

1 EMPLOYEE TABLE

	Field name	Type	Mode	Collation	Default Value	Policy Tags ❓	Description
☐	emp_id	INTEGER	NULLABLE				
☐	name	STRING	NULLABLE				
☐	birthdate_	DATE	NULLABLE				
☐	sex	STRING	NULLABLE				
☐	salary	INTEGER	NULLABLE				
☐	mgr_id	STRING	NULLABLE				
☐	branch_id	INTEGER	NULLABLE				

2 BRANCH TABLE

	Field name	Type	Mode	Collation	Default Value	Policy Tags ❓	Description
☐	branch_id	INTEGER	NULLABLE				
☐	branch_name	STRING	NULLABLE				
☐	mgr_id	INTEGER	NULLABLE				
☐	mgr_startdate	DATE	NULLABLE				

QUERIES

1. LIST THE DETAILS OF ALL FEMALE EMPLOYEES

```
SELECT *
FROM baassign.SQL_Demo.EMP
WHERE sex = "f"
```

Query results   ⬇ SAVE RESULTS ▼   📊 EXPLORE DATA ▼   ↕

JOB INFORMATION   **RESULTS**   JSON   EXECUTION DETAILS   EXECUTION GRAPH PREVIEW

Row	emp_id	name	birthdate_	sex	salary	mgr_id	branch_id
1	101	jan	1961-05-11	f	110000	100	1
2	103	angela	1971-06-25	f	63000	102	2
3	104	kelly	1980-02-05	f	55000	102	2

2. LIST THE NUMBER MALE AND FEMALE EMPLOYESS

```sql
SELECT sex,COUNT(sex) AS no_employees
FROM baassign.SQL_Demo.EMP
GROUP BY sex
```

Query results

SAVE RESULTS ▾   EXPLORE DATA ▾   ↕

JOB INFORMATION	RESULTS	JSON	EXECUTION DETAILS	EXECUTION GRAPH PREVIEW

Row	sex	no_employees
1	m	6
2	f	3

3. LIST THE EMPLOYEES WHO HAVE MORE THAN 1 Lakh INCOME

```sql
SELECT *
FROM baassign.SQL_Demo.EMP
WHERE salary>100000
```

Query results

SAVE RESULTS ▾   EXPLORE DATA ▾   ↕

JOB INFORMATION	RESULTS	JSON	EXECUTION DETAILS	EXECUTION GRAPH PREVIEW

Row	emp_id	name	birthdate_	sex	salary	mgr_id	branch_id
1	100	david	1967-11-17	m	250000	null	1
2	101	jan	1961-05-11	f	110000	100	1

4. LIST THE NAME OF EMPLOYEES WHO IS WORKING IN BRANCH STAMFORD

```sql
SELECT emp_id,branch_name, b.branch_id, name, salary
FROM baassign.SQL_Demo.EMP as e
LEFT JOIN baassign.SQL_Demo.Branch as b
ON e.branch_id=b.branch_id
WHERE branch_name= "Stamford"
```

Query results

SAVE RESULTS ▾   EXPLORE DATA ▾   ↕

JOB INFORMATION	RESULTS	JSON	EXECUTION DETAILS	EXECUTION GRAPH PREVIEW

Row	emp_id	branch_name	branch_id	name	salary
1	106	Stamford	3	josh	78000
2	107	Stamford	3	andy	65000
3	108	Stamford	3	jim	71000

5. LIST OF NUMBER OF EMPLOYEES IN EACH BRANCH WITH NUMBER OF EMPLOYEES (DESCENDING)

```sql
SELECT b.branch_name, b.branch_id, COUNT(*) AS no_employees
FROM baassign.SQL_Demo.EMP as e
LEFT JOIN baassign.SQL_Demo.Branch as b
ON e.branch_id=b.branch_id
GROUP BY b.branch_name, b.branch_id
ORDER BY no_employees desc
```

Query results

SAVE RESULTS ▾   EXPLORE DATA ▾   ⌄

JOB INFORMATION | RESULTS | JSON | EXECUTION DETAILS | EXECUTION GRAPH PREVIEW

Row	branch_name	branch_id	no_employees
1	Scranton	2	4
2	Stamford	3	3
3	Corporate	1	2

6. LIST OF NAMES OF EMPLOYEES WHO ARE WORKING IN CORPORATE AND STARTED WORKING BEFORE 2000

```sql
SELECT e.name,b.branch_name, mgr_startdate
FROM baassign.SQL_Demo.EMP as e
LEFT JOIN baassign.SQL_Demo.Branch as b
ON e.branch_id=b.branch_id
WHERE mgr_startdate < "2000-01-01"
```

Query results

SAVE RESULTS ▾   EXPLORE DATA ▾   ⌄

JOB INFORMATION | RESULTS | JSON | EXECUTION DETAILS | EXECUTION GRAPH PREVIEW

Row	name	branch_name	mgr_startdate
1	michael	Scranton	1992-04-06
2	angela	Scranton	1992-04-06
3	kelly	Scranton	1992-04-06
4	stanley	Scranton	1992-04-06
5	josh	Stamford	1998-02-13
6	andy	Stamford	1998-02-13
7	jim	Stamford	1998-02-13

7. LIST THE NAME OF EMPLOYEES WHO IS WORKING UNDER MANAGER ID 106 IN STAMFORD

```sql
SELECT e.name,b.branch_name, e.mgr_id
FROM baassign.SQL_Demo.EMP as e
LEFT JOIN baassign.SQL_Demo.Branch as b
ON e.branch_id=b.branch_id
WHERE b.branch_name= "Stamford"
AND e.mgr_id= "106"
```

Row	name	branch_name	mgr_id
1	andy	Stamford	106
2	jim	Stamford	106

8. TOTAL SALARY PAID TO EMPLOYEES FROM EACH BRANCH

```
SELECT b.branch_name, SUM(e.salary) AS total_salary
FROM baassign.SQL_Demo.EMP as e
LEFT JOIN baassign.SQL_Demo.Branch as b
ON e.branch_id=b.branch_id
GROUP BY b.branch_name
ORDER BY total_salary desc
```

Row	branch_name	total_salary
1	Corporate	360000
2	Scranton	262000
3	Stamford	214000

9. TOTAL, MAXIMUM AND MINIMUM SALARY PAID TO MALE AND FEMALE

```
SELECT sex,
SUM(salary) as total_salary,
max(salary) as max_salary,
Min(salary) as Min_salary
FROM baassign.SQL_Demo.EMP
group by sex
```

Query results

JOB INFORMATION	RESULTS	JSON	EXECUTION DETAILS	EXECUTION GRAPH PREVIEW

Row	sex	total_salary	max_salary	Min_salary
1	m	608000	250000	65000
2	f	228000	110000	55000

10.LIST OF MALE AND FEMALES HAVING SALARY IN CORPORATE

```
SELECT s.sex, SUM(s.salary) AS total_salary
FROM baassign.SQL_Demo.EMP as s
LEFT JOIN `baassign.SQL_Demo.Branch` as e
ON s.branch_id = e.branch_id
group by s.sex ,e.branch_name
HAVING e.branch_name like "Corporate"
```

Query results

JOB INFORMATION	RESULTS	JSON	EXECUTION DETAILS	EXECUTION GRAPH PREVIEW

Row	sex	total_salary
1	m	250000
2	f	110000