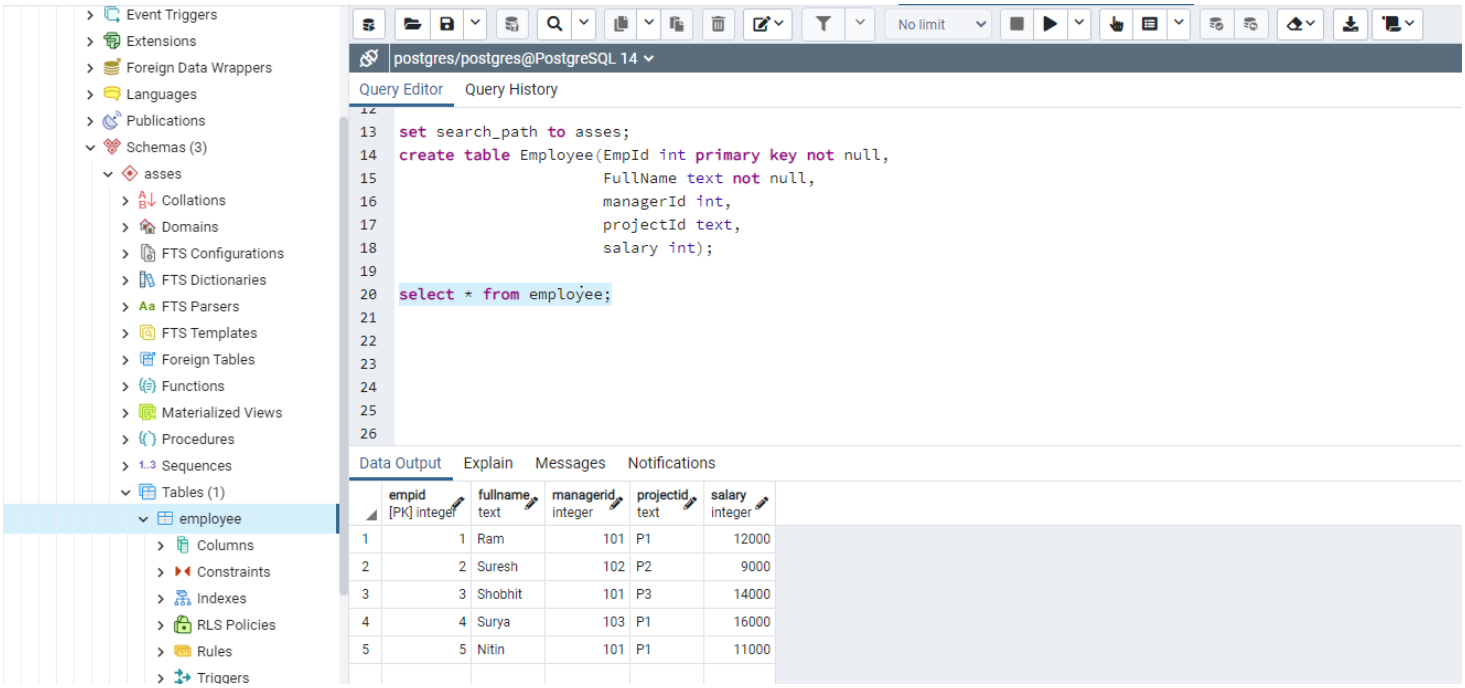
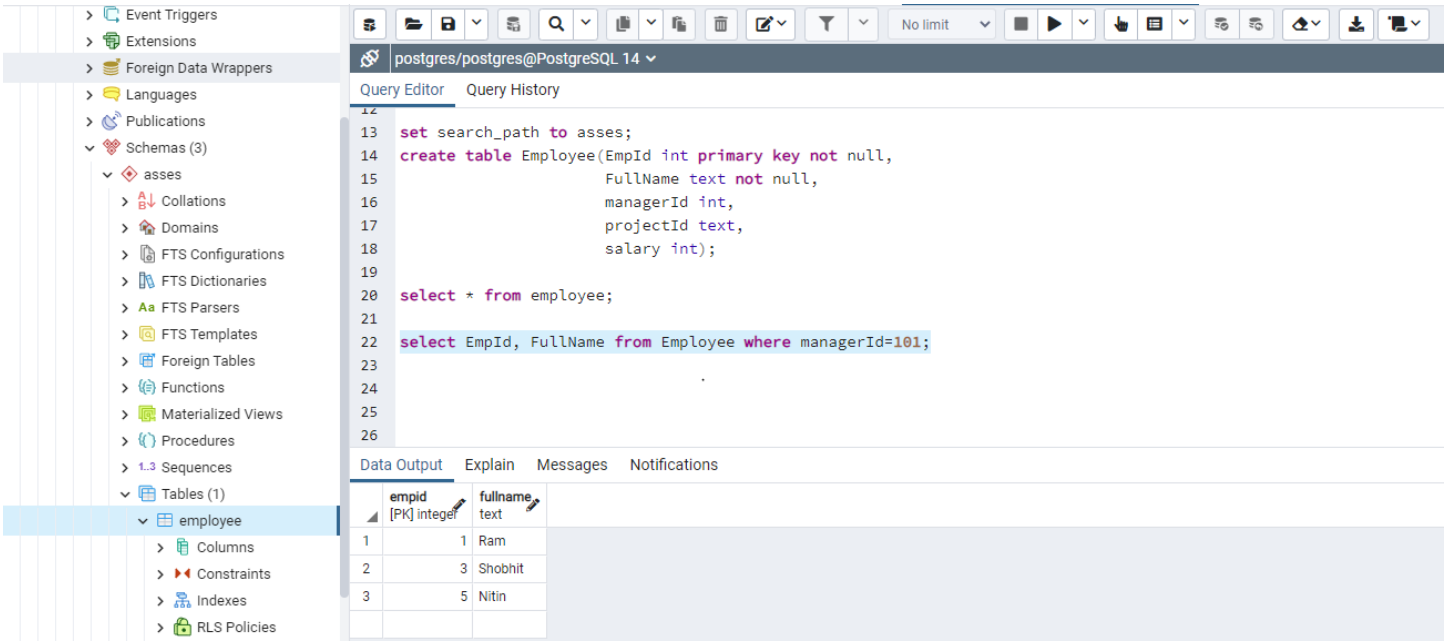
Shobhit Tulshain

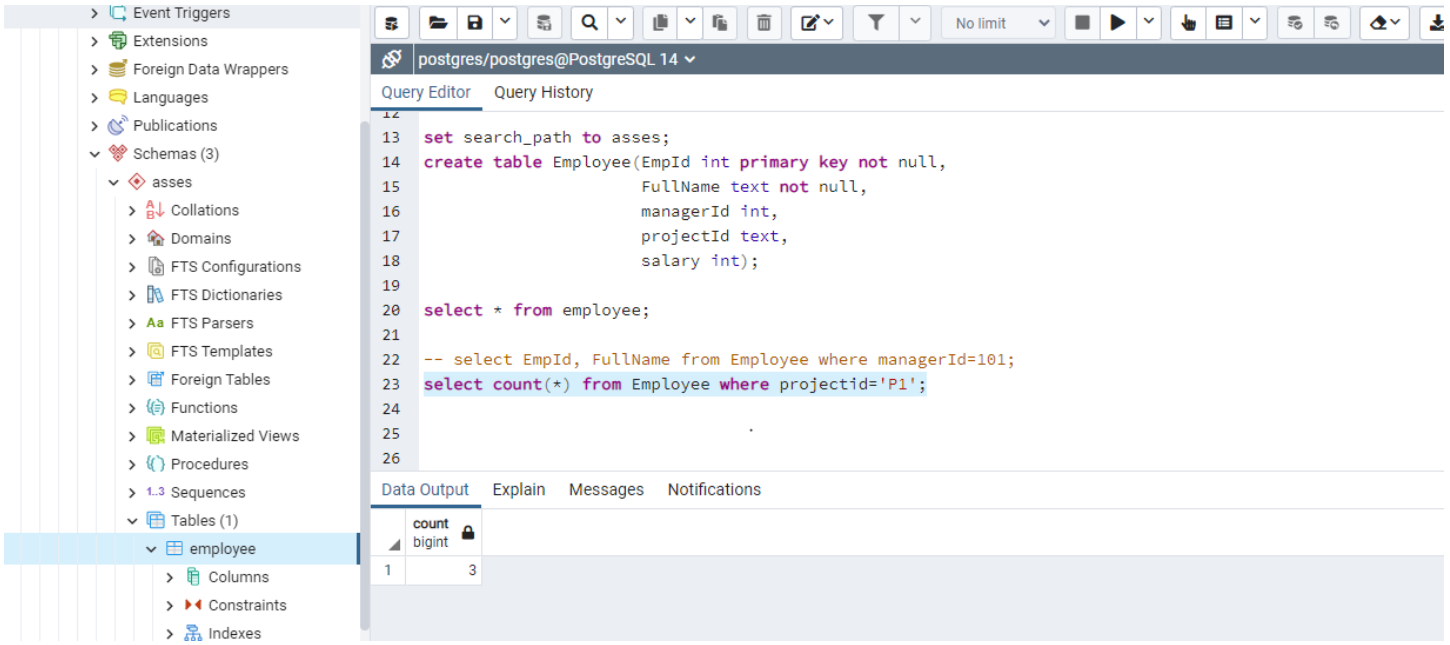
1. Table for Question 1, 2, 3, 4, 7, 8, 9, 10



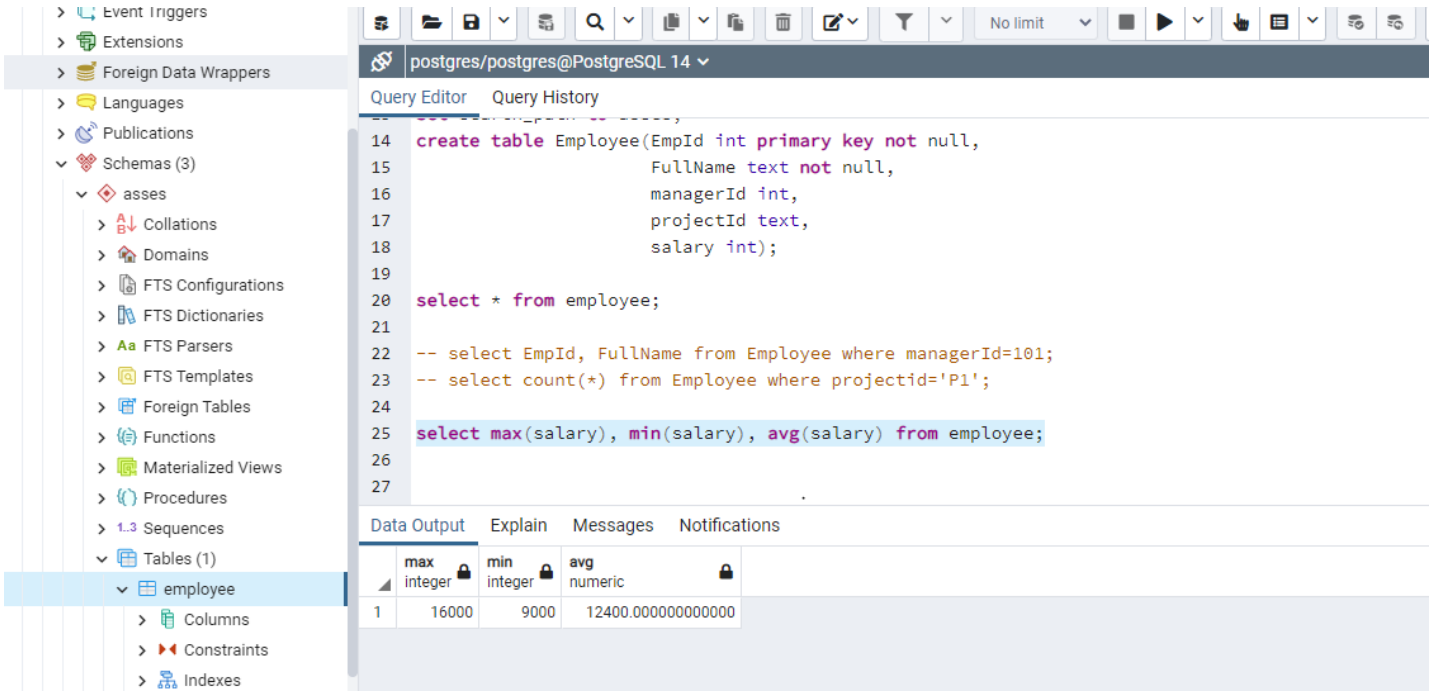
Query 1 answer



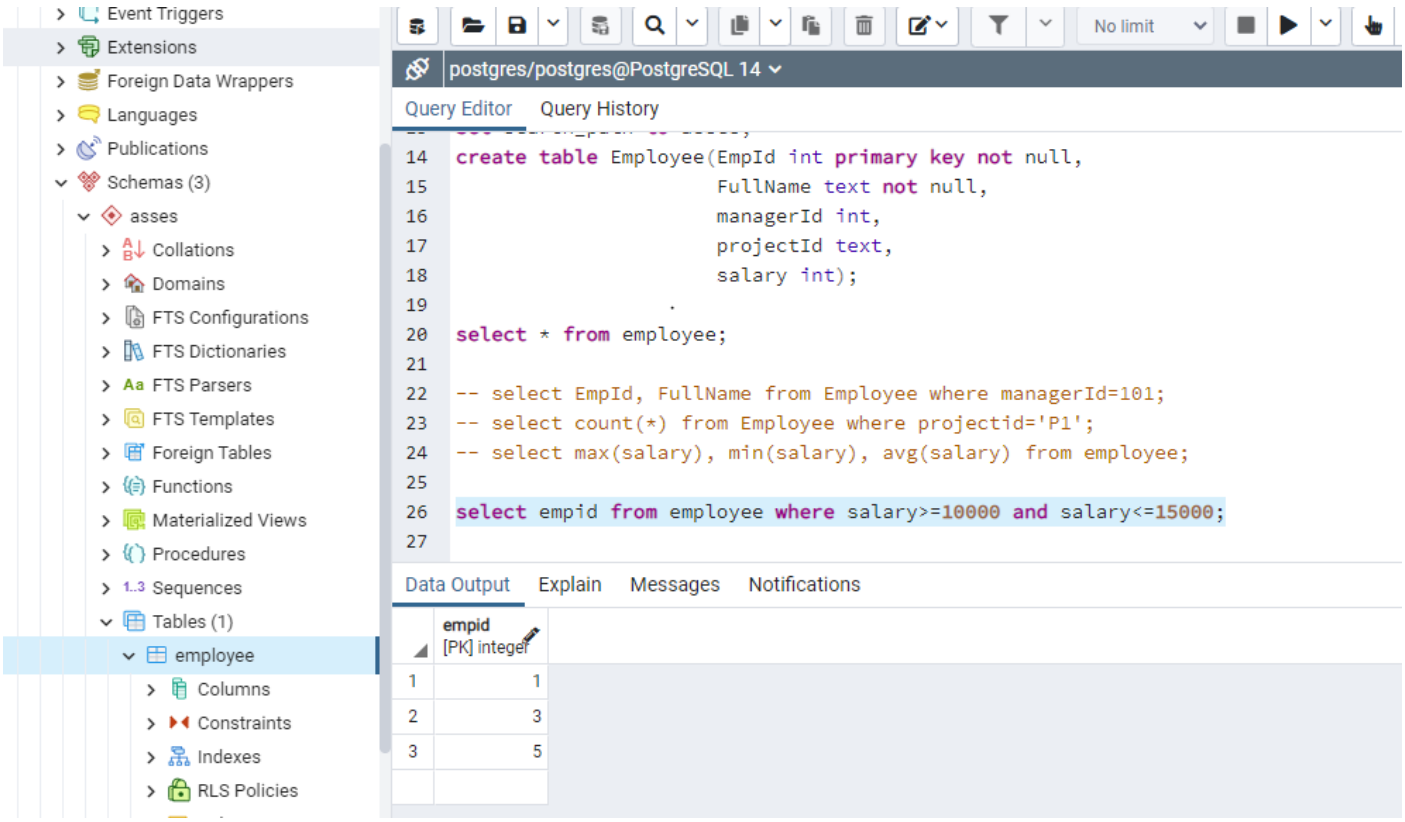
Query 2 answer



Query 3 answer



Query 4 answer



Query 5 Table

```
20  select * from employee;
21
22  -- select EmpId, FullName from Employee where managerId=101;
23  -- select count(*) from Employee where projectid='P1';
24  -- select max(salary), min(salary), avg(salary) from employee;
25  -- select empid from employee where salary>=10000 and salary<=15000;
26
```

Data Output | Explain | Messages | Notifications

	empid [PK] integer	fullname text	managerid integer	projectid text	salary integer	variable integer
1	1	Ram	101	P1	12000	1000
2	2	Suresh	102	P2	9000	700
3	3	Shobhit	101	P3	14000	1500
4	4	Surya	103	P1	16000	1600
5	5	Nitin	101	P1	11000	900

Query 5 answer

```
19
20  select * from employee;
21
22  -- select EmpId, FullName from Employee where managerId=101;
23  -- select count(*) from Employee where projectid='P1';
24  -- select max(salary), min(salary), avg(salary) from employee;
25  -- select empid from employee where salary>=10000 and salary<=15000;
26
27  select salary + variable as total_salary from employee;
```

Data Output | Explain | Messages | Notifications

	total_salary integer
1	13000
2	9700
3	15500
4	17600
5	11900

Query 6 Table

Emplyeedetails

	empid [PK] integer	ename text
1	101	Shobhit
2	102	Ram
3	103	Nitin

employeesalary

	empid [PK] integer	salary integer
1	101	10000
2	103	8000

Query 6 answer

```
28  select empid from employeedetails where empid in (select empid from employeesalary);
29
```

Data Output | Explain | Messages | Notifications

	empid [PK] integer
1	101
2	103

Query 7 answer

```
29  select upper(fullname), lower(projectid) from employee;
```

Data Output | Explain | Messages | Notifications

	upper text	lower text
1	RAM	p1
2	SURESH	p2
3	SHOBHIT	p3
4	SURYA	p1
5	NITIN	p1

Query 8 answer

```
30  select projectid, count(empid) as emp_count from employee group by projectid order by emp_count desc;
```

Data Output | Explain | Messages | Notifications

	projectid text	emp_count bigint
1	P1	3
2	P2	1
3	P3	1

Query 9 answer

```
31  select * from employee where empid%2!=0;
```

Data Output | Explain | Messages | Notifications

	empid [PK] integer	fullname text	managerid integer	projectid text	salary integer	variable integer
1	1	Ram	101	P1	12000	1000
2	3	Shobhit	101	P3	14000	1500
3	5	Nitin	101	P1	11000	900

Query 10 answer

```
32  select max(salary) from employee where salary < (select max(salary)
33  from employee where salary not in(select max(salary) from employee));
```

Data Output | Explain | Messages | Notifications

	max integer
1	12000