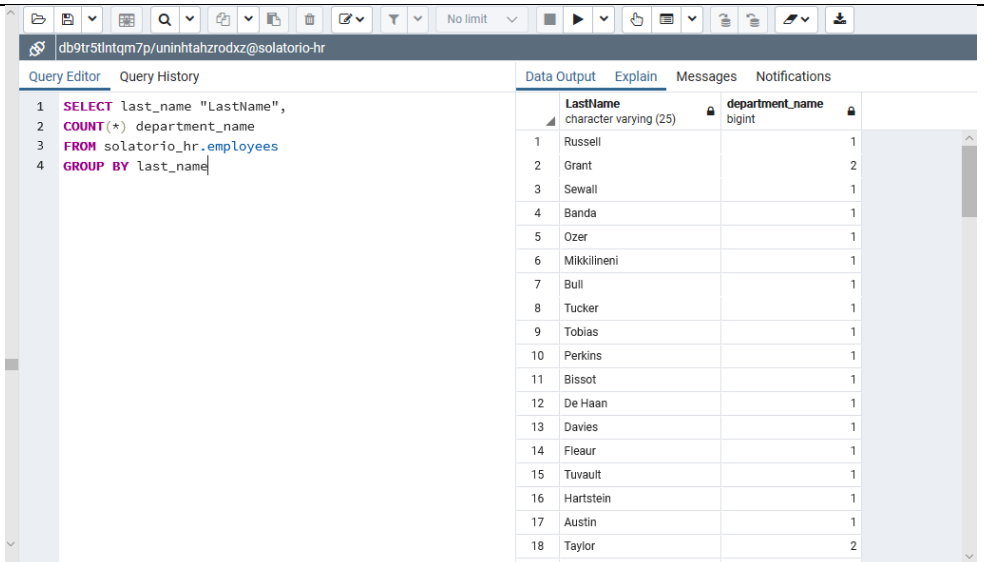
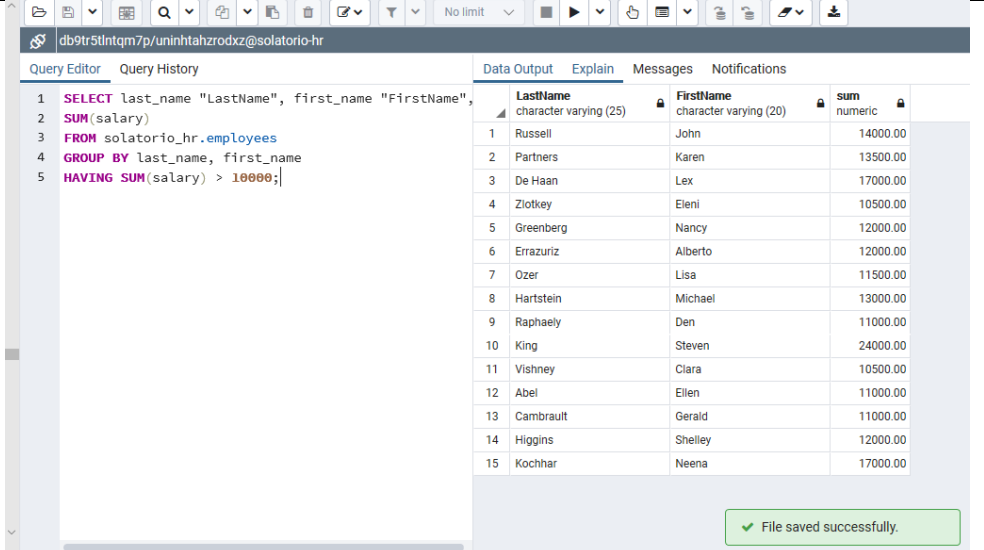
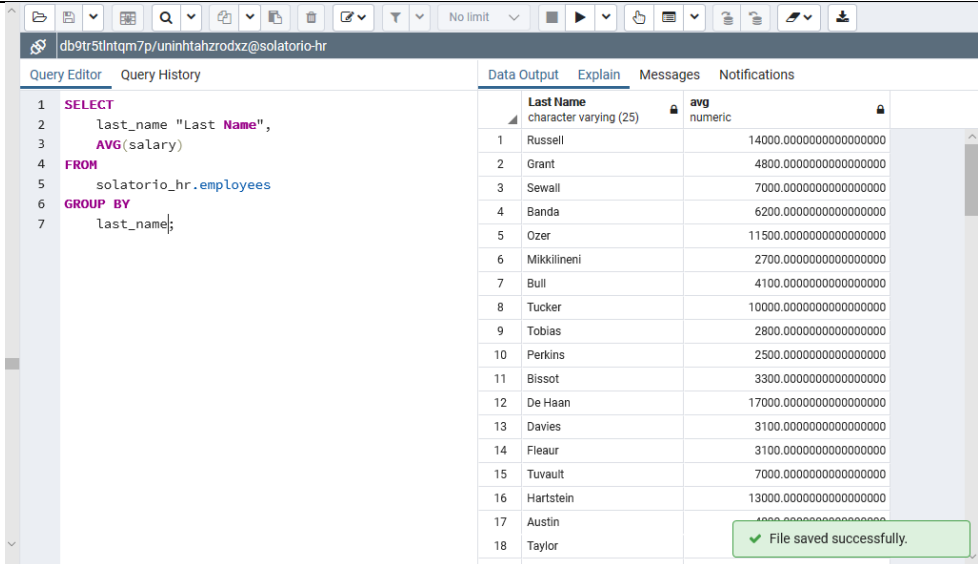
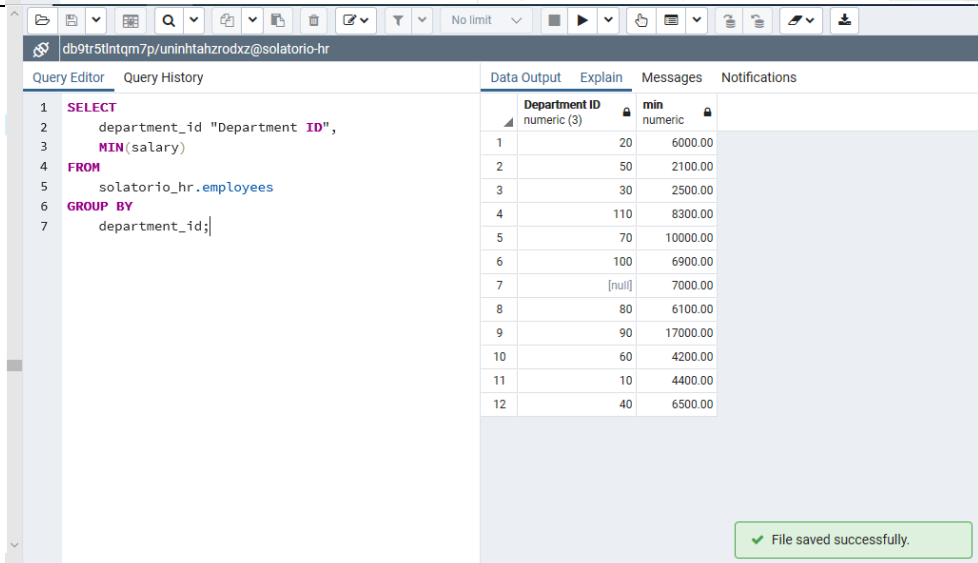
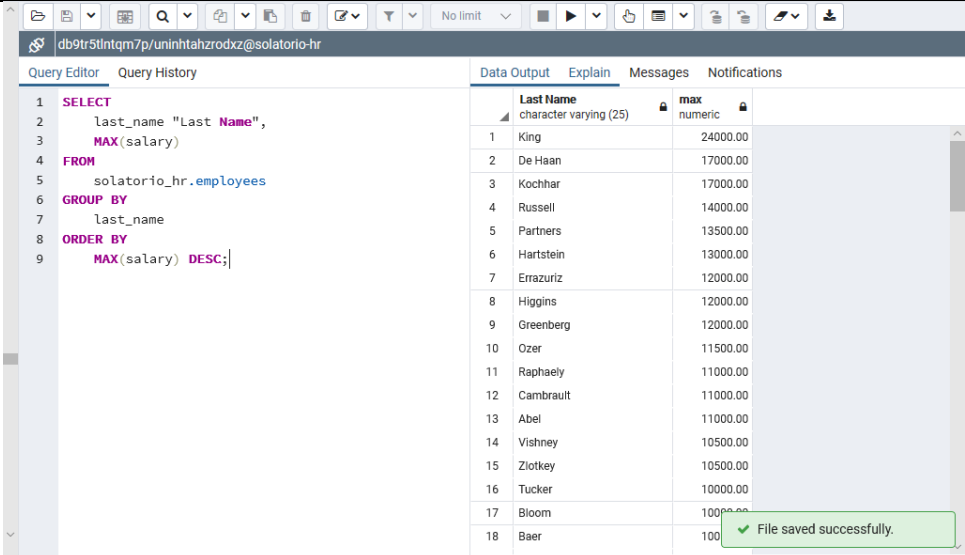
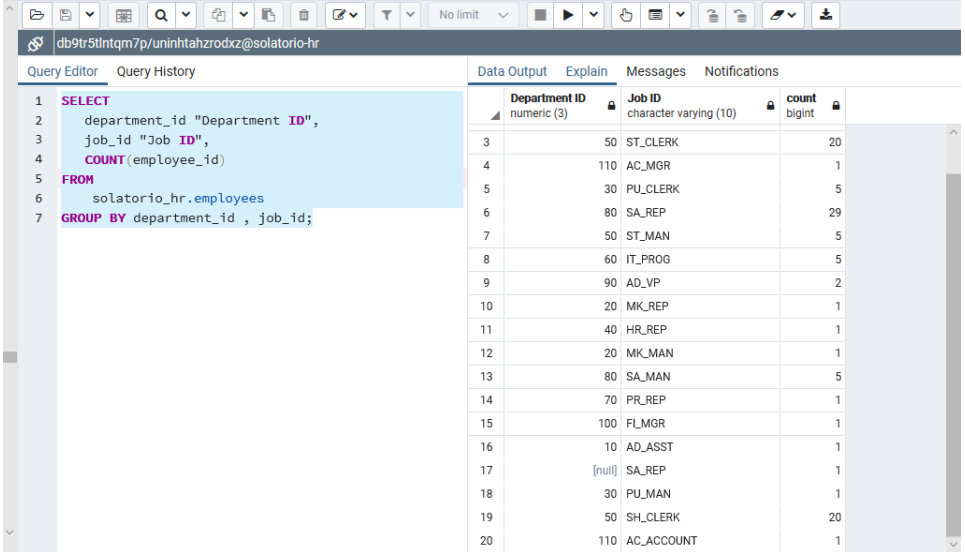


Function	Use Case	SQL Script	Screenshot																																																
COUNT	Count the list of department each of the employees.	SELECT last_name "LastName", COUNT(*) department_name FROM solatorio_hr.employees GROUP BY last_name	 <p>The screenshot shows the SQL Developer interface with a query editor containing the following SQL script:</p> <pre>1 SELECT last_name "LastName", 2 COUNT(*) department_name 3 FROM solatorio_hr.employees 4 GROUP BY last_name</pre> <p>The 'Data Output' tab displays the results of the query, showing the last name and the count of employees for each department.</p> <table><thead><tr><th>LastName</th><th>department_name</th></tr></thead><tbody><tr><td>1 Russell</td><td>1</td></tr><tr><td>2 Grant</td><td>2</td></tr><tr><td>3 Sewall</td><td>1</td></tr><tr><td>4 Banda</td><td>1</td></tr><tr><td>5 Ozer</td><td>1</td></tr><tr><td>6 Mikkilineni</td><td>1</td></tr><tr><td>7 Bull</td><td>1</td></tr><tr><td>8 Tucker</td><td>1</td></tr><tr><td>9 Tobias</td><td>1</td></tr><tr><td>10 Perkins</td><td>1</td></tr><tr><td>11 Bissot</td><td>1</td></tr><tr><td>12 De Haan</td><td>1</td></tr><tr><td>13 Davies</td><td>1</td></tr><tr><td>14 Fleaur</td><td>1</td></tr><tr><td>15 Tuvault</td><td>1</td></tr><tr><td>16 Hartstein</td><td>1</td></tr><tr><td>17 Austin</td><td>1</td></tr><tr><td>18 Taylor</td><td>2</td></tr></tbody></table>	LastName	department_name	1 Russell	1	2 Grant	2	3 Sewall	1	4 Banda	1	5 Ozer	1	6 Mikkilineni	1	7 Bull	1	8 Tucker	1	9 Tobias	1	10 Perkins	1	11 Bissot	1	12 De Haan	1	13 Davies	1	14 Fleaur	1	15 Tuvault	1	16 Hartstein	1	17 Austin	1	18 Taylor	2										
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SUM	What is the total salary earned by employees in each department that gets greater than 10,000	SELECT last_name "LastName", first_name "FirstName", SUM(salary) FROM solatorio_hr.employees GROUP BY last_name, first_name HAVING SUM(salary) > 10000;	 <p>The screenshot shows the SQL Developer interface with a query editor containing the following SQL script:</p> <pre>1 SELECT last_name "LastName", first_name "FirstName", 2 SUM(salary) 3 FROM solatorio_hr.employees 4 GROUP BY last_name, first_name 5 HAVING SUM(salary) > 10000;</pre> <p>The 'Data Output' tab displays the results of the query, showing the last name, first name, and the sum of salaries for each department where the total salary is greater than 10,000.</p> <table><thead><tr><th>LastName</th><th>FirstName</th><th>sum</th></tr></thead><tbody><tr><td>1 Russell</td><td>John</td><td>14000.00</td></tr><tr><td>2 Partners</td><td>Karen</td><td>13500.00</td></tr><tr><td>3 De Haan</td><td>Lex</td><td>17000.00</td></tr><tr><td>4 Zlotkey</td><td>Eleni</td><td>10500.00</td></tr><tr><td>5 Greenberg</td><td>Nancy</td><td>12000.00</td></tr><tr><td>6 Errazuriz</td><td>Alberto</td><td>12000.00</td></tr><tr><td>7 Ozer</td><td>Lisa</td><td>11500.00</td></tr><tr><td>8 Hartstein</td><td>Michael</td><td>13000.00</td></tr><tr><td>9 Raphaely</td><td>Den</td><td>11000.00</td></tr><tr><td>10 King</td><td>Steven</td><td>24000.00</td></tr><tr><td>11 Vishney</td><td>Clara</td><td>10500.00</td></tr><tr><td>12 Abel</td><td>Elen</td><td>11000.00</td></tr><tr><td>13 Cambrault</td><td>Gerald</td><td>11000.00</td></tr><tr><td>14 Higgins</td><td>Shelley</td><td>12000.00</td></tr><tr><td>15 Kochhar</td><td>Neena</td><td>17000.00</td></tr></tbody></table> <p>File saved successfully.</p>	LastName	FirstName	sum	1 Russell	John	14000.00	2 Partners	Karen	13500.00	3 De Haan	Lex	17000.00	4 Zlotkey	Eleni	10500.00	5 Greenberg	Nancy	12000.00	6 Errazuriz	Alberto	12000.00	7 Ozer	Lisa	11500.00	8 Hartstein	Michael	13000.00	9 Raphaely	Den	11000.00	10 King	Steven	24000.00	11 Vishney	Clara	10500.00	12 Abel	Elen	11000.00	13 Cambrault	Gerald	11000.00	14 Higgins	Shelley	12000.00	15 Kochhar	Neena	17000.00
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AVERAGE	Returns the lastname and the average salary of employees	SELECT last_name "Last Name", AVG(salary) FROM solatorio_hr.employees GROUP BY last_name;	 <table><thead><tr><th>Last Name</th><th>avg</th></tr></thead><tbody><tr><td>Russell</td><td>14000.000000000000000000</td></tr><tr><td>Grant</td><td>4800.000000000000000000</td></tr><tr><td>Sewall</td><td>7000.000000000000000000</td></tr><tr><td>Banda</td><td>6200.000000000000000000</td></tr><tr><td>Ozer</td><td>11500.000000000000000000</td></tr><tr><td>Mikkilineni</td><td>2700.000000000000000000</td></tr><tr><td>Bull</td><td>4100.000000000000000000</td></tr><tr><td>Tucker</td><td>10000.000000000000000000</td></tr><tr><td>Tobias</td><td>2800.000000000000000000</td></tr><tr><td>Perkins</td><td>2500.000000000000000000</td></tr><tr><td>Bissot</td><td>3300.000000000000000000</td></tr><tr><td>De Haan</td><td>17000.000000000000000000</td></tr><tr><td>Davies</td><td>3100.000000000000000000</td></tr><tr><td>Fleaur</td><td>3100.000000000000000000</td></tr><tr><td>Tuvault</td><td>7000.000000000000000000</td></tr><tr><td>Hartstein</td><td>13000.000000000000000000</td></tr><tr><td>Austin</td><td></td></tr><tr><td>Taylor</td><td></td></tr></tbody></table>	Last Name	avg	Russell	14000.000000000000000000	Grant	4800.000000000000000000	Sewall	7000.000000000000000000	Banda	6200.000000000000000000	Ozer	11500.000000000000000000	Mikkilineni	2700.000000000000000000	Bull	4100.000000000000000000	Tucker	10000.000000000000000000	Tobias	2800.000000000000000000	Perkins	2500.000000000000000000	Bissot	3300.000000000000000000	De Haan	17000.000000000000000000	Davies	3100.000000000000000000	Fleaur	3100.000000000000000000	Tuvault	7000.000000000000000000	Hartstein	13000.000000000000000000	Austin		Taylor	
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MIN	retrieves the employees who have the lowest salary in each department. Then, it includes only departments whose salary is less than 3000.	SELECT department_id "Department ID", MIN(salary) FROM solatorio_hr.employees GROUP BY department_id;	 <table><thead><tr><th>Department ID</th><th>min</th></tr></thead><tbody><tr><td>20</td><td>6000.00</td></tr><tr><td>50</td><td>2100.00</td></tr><tr><td>30</td><td>2500.00</td></tr><tr><td>4</td><td>110</td><td>8300.00</td></tr><tr><td>5</td><td>70</td><td>10000.00</td></tr><tr><td>6</td><td>100</td><td>6900.00</td></tr><tr><td>7</td><td>[null]</td><td>7000.00</td></tr><tr><td>8</td><td>80</td><td>6100.00</td></tr><tr><td>9</td><td>90</td><td>17000.00</td></tr><tr><td>10</td><td>60</td><td>4200.00</td></tr><tr><td>11</td><td>10</td><td>4400.00</td></tr><tr><td>12</td><td>40</td><td>6500.00</td></tr></tbody></table>	Department ID	min	20	6000.00	50	2100.00	30	2500.00	4	110	8300.00	5	70	10000.00	6	100	6900.00	7	[null]	7000.00	8	80	6100.00	9	90	17000.00	10	60	4200.00	11	10	4400.00	12	40	6500.00			
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MAX	find the highest salary of employee in each employee's lastname in descending order.	SELECT last_name "Last Name", MAX(salary) FROM solatorio_hr.employees GROUP BY last_name ORDER BY MAX(salary) DESC;	
GROUP BY	groups the same values in both department_id and job_id columns in the same group then returns the rows for each of these groups.	SELECT department_id "Department ID", job_id "Job ID", COUNT(employee_id) FROM solatorio_hr.employees GROUP BY department_id , job_id;	

Distinct	Display the job_id and salary then validates if it is duplicate in each group.	<pre>SELECT DISTINCT job_id "Job ID", salary "SALARY" FROM solatorio_hr.employees ORDER BY job_id, salary DESC;</pre>	<div><div>db9tr5tIntqm7p/uninhthazrodxx@solatorio-hr</div><div><div>Query Editor</div><div>Query History</div></div><div><div>1 SELECT DISTINCT</div><div>2 job_id "Job ID",</div><div>3 salary "SALARY"</div><div>4 FROM</div><div>5 solatorio_hr.employees</div><div>6 ORDER BY</div><div>7 job_id,</div><div>8 salary DESC;</div></div><div><div>Data Output</div><div>Explain</div><div>Messages</div><div>Notifications</div></div><div><table><tr><th></th><th>Job ID</th><th>SALARY</th></tr><tr><th></th><th>character varying (10)</th><th>numeric (8,2)</th></tr><tr><td>1</td><td>AC_ACCOUNT</td><td>8300.00</td></tr><tr><td>2</td><td>AC_MGR</td><td>12000.00</td></tr><tr><td>3</td><td>AD_ASST</td><td>4400.00</td></tr><tr><td>4</td><td>AD PRES</td><td>24000.00</td></tr><tr><td>5</td><td>AD_VP</td><td>17000.00</td></tr><tr><td>6</td><td>FLACCOUNT</td><td>9000.00</td></tr><tr><td>7</td><td>FLACCOUNT</td><td>8200.00</td></tr><tr><td>8</td><td>FLACCOUNT</td><td>7800.00</td></tr><tr><td>9</td><td>FLACCOUNT</td><td>7700.00</td></tr><tr><td>10</td><td>FLACCOUNT</td><td>6900.00</td></tr><tr><td>11</td><td>FLMGR</td><td>12000.00</td></tr><tr><td>12</td><td>HR_REP</td><td>6500.00</td></tr><tr><td>13</td><td>IT_PROG</td><td>9000.00</td></tr><tr><td>14</td><td>IT_PROG</td><td>6000.00</td></tr><tr><td>15</td><td>IT_PROG</td><td>4800.00</td></tr><tr><td>16</td><td>IT_PROG</td><td>4200.00</td></tr><tr><td>17</td><td>MK_MAN</td><td>13000.00</td></tr><tr><td>18</td><td>MK_REP</td><td>6000.00</td></tr></table></div></div>		Job ID	SALARY		character varying (10)	numeric (8,2)	1	AC_ACCOUNT	8300.00	2	AC_MGR	12000.00	3	AD_ASST	4400.00	4	AD PRES	24000.00	5	AD_VP	17000.00	6	FLACCOUNT	9000.00	7	FLACCOUNT	8200.00	8	FLACCOUNT	7800.00	9	FLACCOUNT	7700.00	10	FLACCOUNT	6900.00	11	FLMGR	12000.00	12	HR_REP	6500.00	13	IT_PROG	9000.00	14	IT_PROG	6000.00	15	IT_PROG	4800.00	16	IT_PROG	4200.00	17	MK_MAN	13000.00	18	MK_REP	6000.00
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