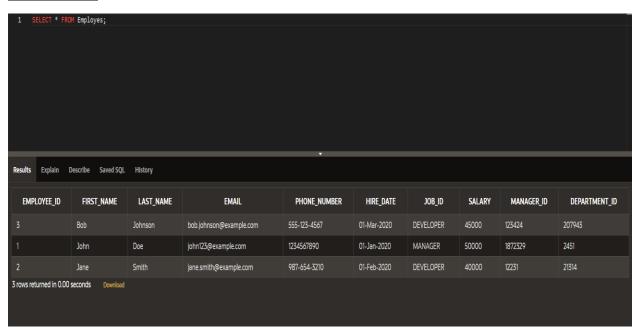
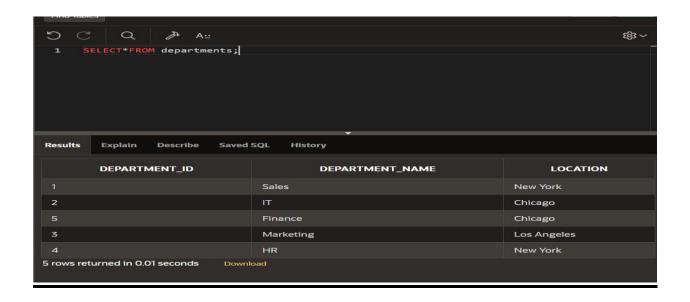
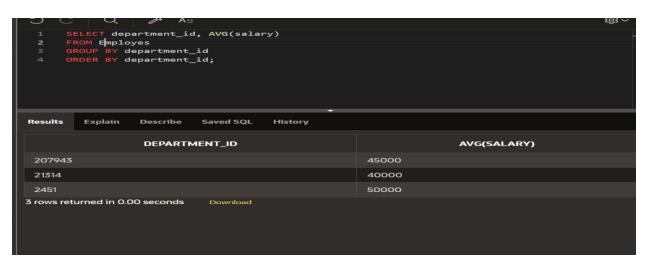
## **Section 9**

## **DP 9.1:**

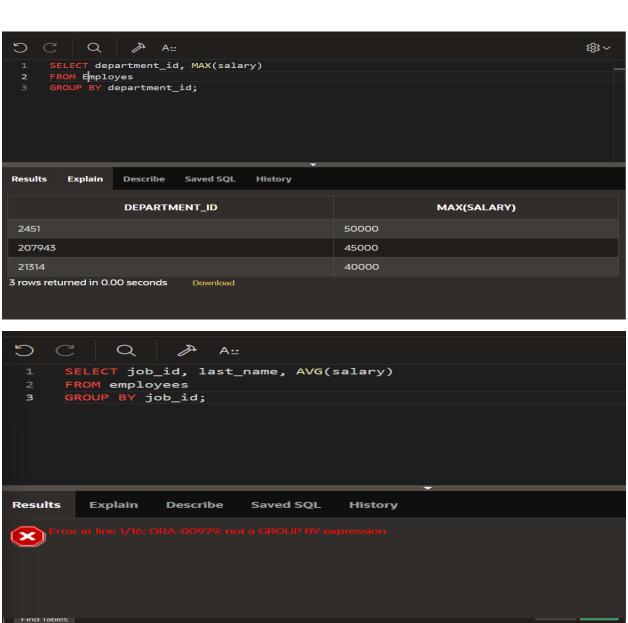






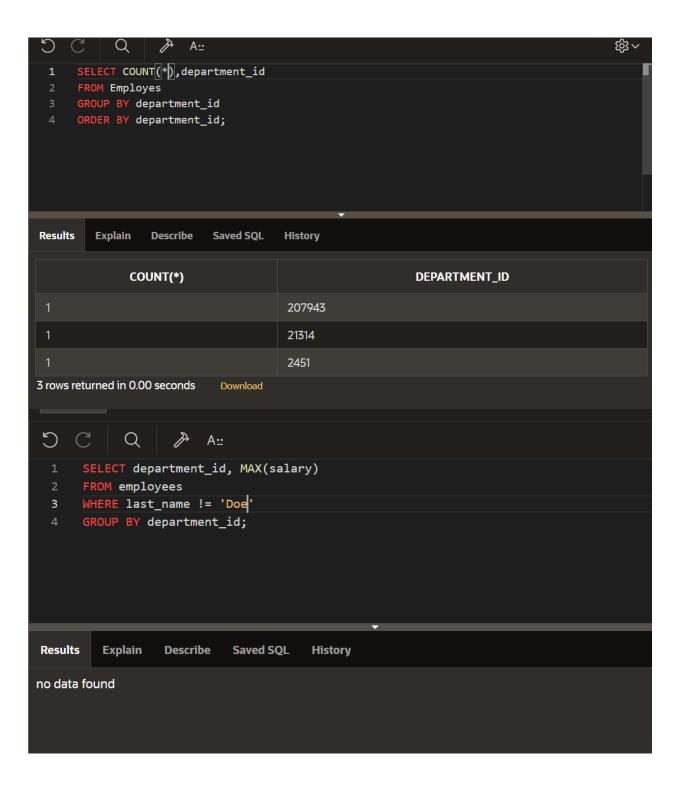


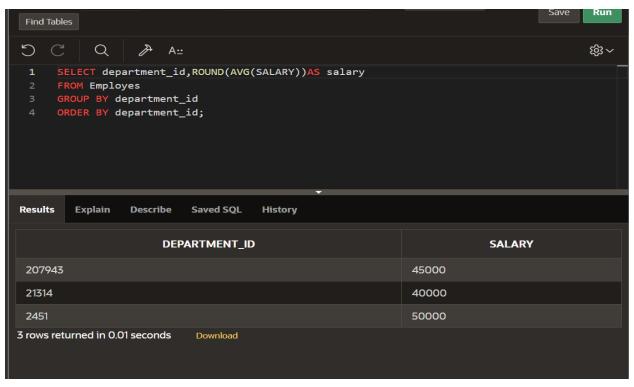


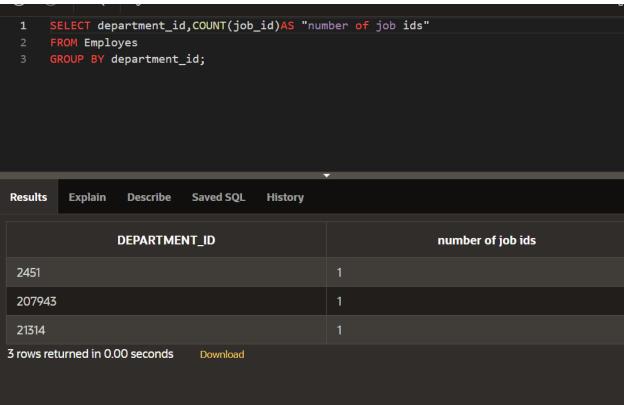


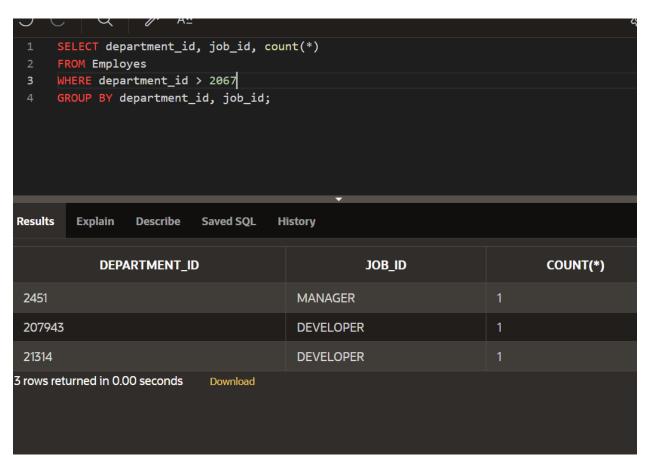


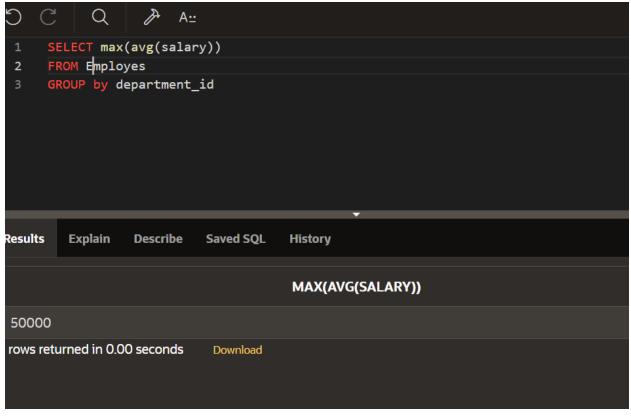
COUNT(JOB_ID)	DEPARTMENT_ID
1	207943
1	21314
1	2451
3 rows returned in 0.00 seconds Download	

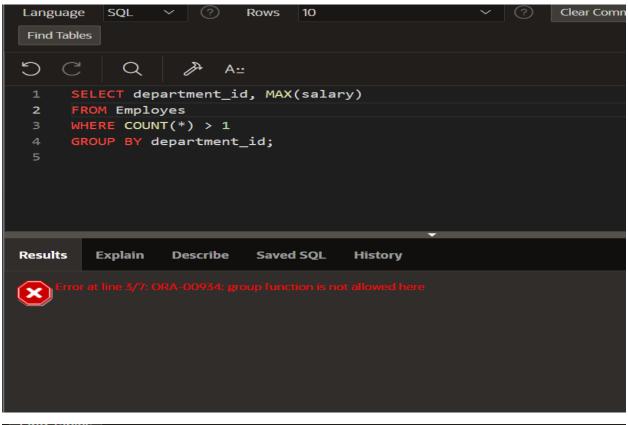


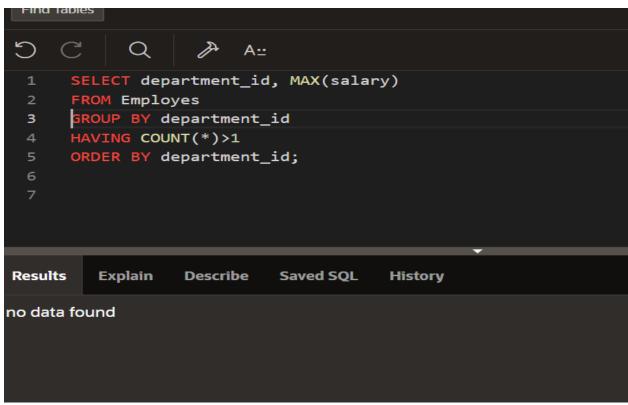




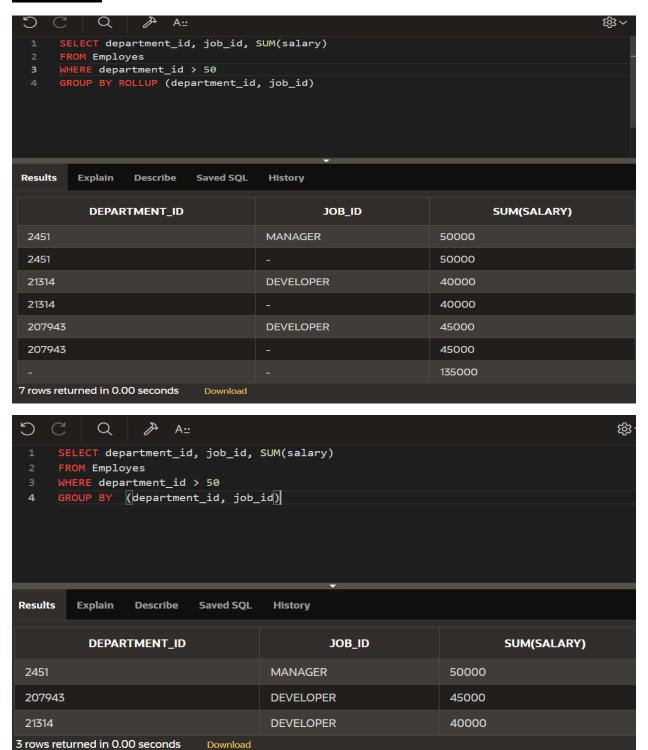


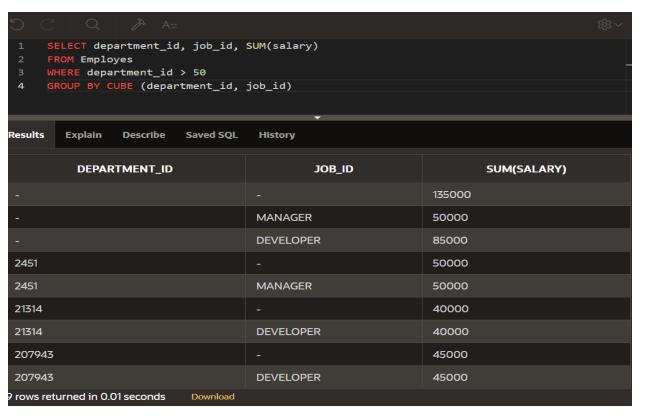






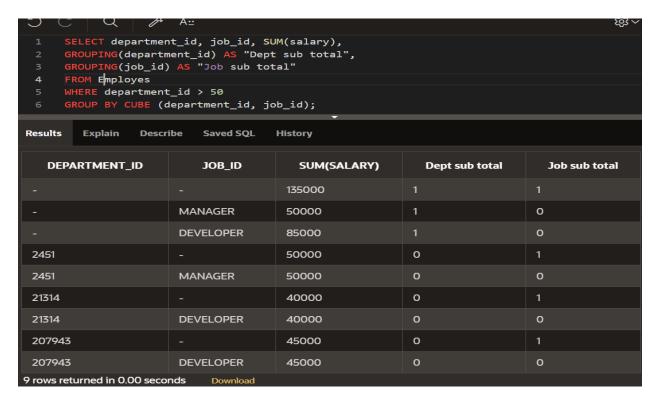
## **DP 9.2:**





1	<pre>SELECT department_id, job_id, manager_id, SUM(salary)</pre>
	FROM Employes
3	WHERE department_id > 50
	GROUP BY GROUPING SETS
	((job_id, manager_id),(department_id, job_id),
	<pre>(department_id, manager_id));</pre>
	•

Results Explain Describe Saved SQL History			
DEPARTMENT_ID	JOB_ID	MANAGER_ID	SUM(SALARY)
2451	MANAGER		50000
207943	DEVELOPER		45000
21314	DEVELOPER		40000
-	DEVELOPER	123424	45000
-	MANAGER	1872329	50000
-	DEVELOPER	12231	40000
21314		12231	40000
2451		1872329	50000
207943		123424	45000
9 rows returned in 0.01 seconds	Download		



## **DP 9.3:**

1 SELECT hire_date, employee_id, job_id 2 FROM Employes 3 UNION 4 SELECT TO_DATE(NULL), job_title, 5 job_id 6 FROM jobs;  Results Explain Describe Saved SQL History						
HIRE_DATE	EMPLOYEE_ID	JOB_ID				
01-Jan-2020	1	MANAGER				
01-Feb-2020	2	DEVELOPER				
01-Mar-2020	3	DEVELOPER				
-	Business Analyst	ANALYST				
-	Manager	MANAGER				
-	Sales Representative	SALESREP				
-	Software Developer	DEVELOPER				
7 rows returned in 0.00 seconds Download						

```
SELECT hire_date, employee_id, job_id
      FROM Employes
      SELECT TO_DATE(NULL), job_title, job_id
      FROM jobs
      ORDER BY employee_id;
Results
         Explain
                  Describe
                             Saved SQL
                                        History
                                                                                   JOB ID
         HIRE_DATE
                                            EMPLOYEE ID
 01-Jan-2020
                                                                          MANAGER
                               2
 01-Feb-2020
                                                                          DEVELOPER
 01-Mar-2020
                               3
                                                                          DEVELOPER
                               Business Analyst
                                                                          ANALYST
                                                                          MANAGER
                               Manager
                                                                          SALESREP
                               Sales Representative
                                                                          DEVELOPER
                               Software Developer
7 rows returned in 0.00 seconds
                              Download
```

