

Week #4 Lab: SQL

Deadline : during laboratory sessions

Submission mode: Write down all commands by given queries and submit it to instructors on the practice sessions.

- Open APEX, SQL workshop, SQL commands and write SQL query:

1) That will show all Employees with all columns: 8points

Results Explain Describe Saved SQL History										
EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
100	Steven	King	SKING	515.123.4567	03/28/2009	AD_PRES	24000	-	-	90
101	Neena	Kochhar	NKOCHHAR	515.123.4568	11/02/2011	AD_VP	17000	-	100	90
102	Lex	De Haan	LDEHAAN	515.123.4569	02/24/2015	AD_VP	17000	-	100	90
103	Alexander	Hunold	AHUNOLD	590.423.4567	02/14/2012	IT_PROG	9000	-	102	60
104	Bruce	Ernst	BERNST	590.423.4568	07/01/2015	IT_PROG	6000	-	103	60

2) Write SQL query that will display all Employees showing only first name and last name: 8points

Results Explain Describe Saved SQL History	
FIRST_NAME	LAST_NAME
Ellen	Abel
Sundar	Ande
Mozhe	Atkinson
David	Austin
Hermann	Boer

3) Write SQL query that will display all Employees whose salary is more or equal to 10000. Show only first name, last name and salary: 8points

Results Explain Describe Saved SQL History		
FIRST_NAME	LAST_NAME	SALARY
Steven	King	24000
Neena	Kochhar	17000
Lex	De Haan	17000
Nancy	Greenberg	12000
Den	Raphaely	11000

4) Write SQL query that will display all Employees whose salary is more or equal to 10000 and department id is 60. Show only first name, last name, salary and department id: 8points

Results Explain Describe Saved SQL History			
FIRST_NAME	LAST_NAME	SALARY	DEPARTMENT_ID
Alexander	Hunold	9000	60
Bruce	Ernst	6000	60
David	Austin	4800	60
Valli	Patella	4800	60
Diana	Lorentz	4200	60

5) Write SQL query that will display all Employees whose department id 100, or name is Diana: 8points

Results Explain Describe Saved SQL History		
FIRST_NAME	LAST_NAME	DEPARTMENT_ID
Diana	Lorentz	60
Nancy	Greenberg	100
Daniel	Faviet	100
John	Chen	100
Ismael	Sciarra	100

6) Write SQL query that will display all Employees whose phone starts with 515: 8points

Results

Explain

Describe

Saved SQL

History

FIRST_NAME	LAST_NAME	PHONE_NUMBER
Steven	King	575.123.4567
Neena	Kochhar	575.123.4568
Lex	De Haan	575.123.4569
Nancy	Greenberg	575.124.4569
Daniel	Faviet	575.124.4569

7) Write SQL query that will display all Departments, where a department name ends with -ing: 8points

Results

Explain

Describe

Saved SQL

History

DEPARTMENT_ID	DEPARTMENT_NAME
20	Marketing
30	Purchasing
50	Shipping
110	Accounting
170	Manufacturing

8) Write SQL query that will display all department location ids, without repeating: 8points

Results	Explain	Describe	Saved SQL	History
LOCATION_ID				
1700				
1400				
2400				
1500				
1800				

9) Write SQL query that wil display all employees showing employees first whose salary is the smallest and in ascending order. 8points

Results

Explain

Describe

Saved SQL

History

FIRST_NAME	LAST_NAME	SALARY	DEPARTMENT_ID
TJ	Olson	2100	50
Steven	Markle	2200	50
Hazel	Philtanker	2200	50
James	Landry	2400	50
IQ	Gee	2400	50

10) Write SQL query that will display employees ordered first by their departments, and within department by their salaries: 8points

Results

Explain

Describe

Saved SQL

History

FIRST_NAME	LAST_NAME	SALARY	DEPARTMENT_ID
Jennifer	Whalen	4400	10
Pat	Fay	6000	20
Michael	Hartstein	13000	20
Karen	Colmenares	2500	30
Guy	Himuro	2600	30
Sigal	Tobias	2800	30
Shelli	Baida	2900	30
Alexander	Khoo	3100	30

11) Write SQL query that will display employees who have salary more than 10000, and order them by their department IDs:10points

Results Explain Describe Saved SQL History			
FIRST_NAME	LAST_NAME	SALARY	DEPARTMENT_ID
Michael	Hartstein	13000	20
Den	Raphaely	11000	30
Hermann	Baer	10000	70
Eleni	Zlotkey	10500	80
Ellen	Abel	11000	80
Harrison	Bloom	10000	80
Lisa	Ozer	11500	80
Clara	Vishney	10500	80

12) In departments table we have manager_id, which specifies who is manager of the department. We need to show all departments with their manager's first name and last name (we need to join two tables, by manager_id of department and employee_id of employees): 10points

Results Explain Describe Saved SQL History				
DEPARTMENT_NAME	FIRST_NAME	LAST_NAME	MANAGER_ID	EMPLOYEE_ID
Executive	Steven	King	100	100
IT	Alexander	Hunold	103	103
Finance	Nancy	Greenberg	108	108
Purchasing	Den	Raphaely	114	114
Shipping	Adam	Fripp	121	121
Sales	John	Russell	145	145
Administration	Jennifer	Whalen	200	200
Marketing	Michael	Hartstein	201	201
Human Resources	Susan	Mavris	203	203