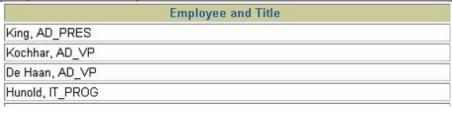
Practice Tasks DBMS

Tasks

Expected Output

Task: write a query that print all employees and their job IDs,
Display the last name
concatenated with the job ID
(separated by a comma and space)
and name of the column
Employee and Title



Due to budget issues, the HR department needs a report that displays the last name and salary of employees who earn more than \$12,000.

LAST_NAME	SALARY
King	24000
Kochhar	17000
De Haan	17000
Hartstein	13000

Display the last name and salary for any employee whose salary is not in the range of \$5,000 to \$12,000.

LAST_NAME	SALARY
King	24000
Kochhar	17000
De Haan	17000
Lorentz	4200
Rajs	3500
Davies	3100
Matos	2600
Vargas	2500
Whalen	4400
Hartstein	13000

The HR department needs a report that displays the last name and hire date for all employees who were hired in 1994

LAST_NAME	HIRE_DATE
Higgins	07-JUN-94
Gietz	07-JUN-94

Create a report to display the ast name, salary, and commission of all employees who earn commissions.

Sort data in descending order of salary and commissions.

LAST_NAME	SALARY	COMMISSION_PCT
Abel	11000	.3
Zlotkey	10500	.2
Taylor	8600	.2
Grant	7000	.15

Display all employee last names in which the third letter of the name is a.

LAST_NAME
Grant
Whalen

Display the last name of all employees who have both an 'a' and an 'e' in their last name.

Davies De Haan Hartstein Whalen

Display the last name, job, and salary for all employees whose job is sales representative or stock clerk and whose salary is not equal to \$2,500, \$3,500, or \$7,000

LAST_NAME	JOB_ID	SALARY
Abel	SA_REP	11000
Taylor	SA_REP	8600
Davies	ST_CLERK	3100
Matos	ST_CLERK	2600

The HR department needs a report to display the employee number, last name, salary, and salary increased by 15.5% (expressed as a whole number) for each employee.

 EMPLOYEE_ID
 LAST_NAME
 SALARY
 New Salary

 100
 King
 24000
 27720

 101
 Kochhar
 17000
 19635

Write a query that displays the last name (with the first letter uppercase and all other letters lowercase) and the length of the last name for all employees whose name starts with the letters J, A,or M.Give each column an appropriate label. Sort the results by the employees' last names

Name	Length
Abel	4
Matos	5
Mourgos	7

The HR department wants to find the length of employment for each employee. For each employee, display the last name and calculate the number of months between today and the date on which the employee was hired. Label the column MONTHS_WORKED. Order your results by the number of months employed. Round the number of months up to the losest whole number.

LAST_NAME MONTHS_WORKED	
Zlotkey	47
Mourgos	50
Grant	
Lorentz	
Vargas	66

Your Result May Different

Create a report that produces the following for each employee: <employee last name> earns <salary> monthly but wants <3 times salary>. Label the column Dream Salaries.

Dream Salaries

King earns \$24,000.00 monthly but wants \$72,000.00.

Kochhar earns \$17,000.00 monthly but wants \$51,000.00.

De Haan earns \$17,000.00 monthly but wants \$51,000.00.

...

Create a query to display the last name and salary for all employees. Format the salary to be 15 characters long, left-padded with the \$ symbol. Label the column SALARY

LAST_NAME	SALARY	
King	\$5\$\$\$\$\$\$\$\$24000	
Kochhar	\$\$\$\$\$\$\$\$\$\$17000	
De H aan	\$\$\$\$\$\$\$\$\$\$17000	
Hunold	\$\$\$\$\$\$\$\$\$\$\$9000	

Display each employee's last name, hire date, and salary review date, which is the first Monday after six months of service. Label the column REVIEW. Format the dates to appear in the format similar to "Monday, the Thirty-First of July, 2000."

LAST_NAME	HIRE_DATE	REVIEW
King	17-JUN-87	Monday, the Twenty-First of December, 1987
Kochhar	21-SEP-89	Monday, the Twenty-Sixth of March, 1990
De Haan	13-JAN-93	Monday, the Nineteenth of July, 1993
Hunold	03-JAN-90	Monday, the Ninth of July, 1990

Display the last name, hire date, and day of the week on which the employee started. Label the column DAY. Order the results by the day of the week, starting with Monday.

LAST_NAME	HIRE_DATE	DAY
Grant	24-MAY-99	MONDAY
Ernst	21-MAY-91	TUESDAY
Mourgos	16-NOV-99	TUESDAY

Create a query that displays the employees' last names and commission amounts. If an employee does not earn commission, show "No Commission." Label the column COMM

LAST_NAME	COMM
King	No Commission
Kochhar	No Commission

Create a query that displays the first eight characters of the employees' last names and indicates the amounts of their salaries with asterisks. Each asterisk signifies a thousand dollars. Sort the data in

	EMPLOYEES_AND_THEIR_SALARIES
King ************************************	********
Kochhar *********	******
De Haan ********	******

descending order of salary. Label it								
EMPLOYEES AND THEIR SALARIES						1		
Using the DECODE function, write	JOB ID GRA							
a query that displays the grade of	AC_ACCOUNT	1 Tab	1	0				
all employees based on the value	AC_MGR			0				
of the column JOB_ID, using the	AD_ASST			0		1		
following data:	AD_PRES AD_VP			A 0		1		
Job Grades:	\\ \\(\)			,		1		
For AD_PRES Print A						1		
For ST_MAN Print B						1		
For IT_PROG Print C						1		
For SA_REP Print D						1		
For ST_CLERK Print E						1		
For None of the above Print 0								
Rewrite above with case								
statement.								
Find the highest, lowest, sum,	Maximum 24000	Minimum 25	Sum 2500 17	75500	Average 8775			
and average salary of all	2.00.2			3300	6.73	1		
employees. Label the columns						1		
Maximum, Minimum, Sum, and						1		
Average, respectively								
Find the highest, lowest, sum,	JOB_ID	Maximum	Minimum	Sum	Average			
and average salary for each job.	AC_ACCOUNT AC_MGR	8300 12000	8300 12000		8300 12000			
, ,	AD_ASST	4400	4400		4400			
Label the columns Maximum,	AD_PRES	24000	24000	24000	24000	1		
Minimum, Sum, and Average	JO	B_ID						
Write a query to display the	AC_ACCOUNT			COUNT	1			
number of people with the	AC_MGR				1			
same job	AD_ASST AD_PRES				1	1		
	AD_VP				2	2		
Create a query to display the	TOTAL	A CONTRACTOR OF THE PARTY OF TH	1996	1997	1998			
total number of employees and,	20	1	2	2	3	i		
of that total, the number of								
employees hired in 1995, 1996,								
1997, and 1998. Create								
appropriate column headings.								
	MANAGER I	ID.	MIN	(SALARY)				
Create a report to display the	Messessia	102	Military	SPILMINI	9000			
manager number and the salary		205			8300			
of the lowest-paid employee for		149		7000				
· ,								

that manager. Exclude anyone whose manager is not known. Exclude any groups where the minimum salary is \$6,000 or less. Sort the output in descending order of salary.										
Write a query for the HR department to produce the addresses of all the departments. Use the LOCATIONS and COUNTRIES tables. Show the location ID, street address, city, state or province, and country in the output. Use a JOIN to produce the results.	1400 1500	2014 J Rd	ET_ADDRE Jabberwock	d y	CITY Southlake South San Francisco	STAT Texas Califo		COUNTRY_N United States America United States America	s of	
The HR department needs a report of all employees. Write a query to display the last name, department number, and department name for all employees. The HR department needs a report of employees in Toronto. Display the last name, job, department number, and department name for all employees who work in Toronto.	LAST_NAM Whalen Hartstein Fay LAST_NAME			MENT_ID DEPART 10 Administratio 20 Marketing 20 Marketing ARTMENT_ID DEPARTMENT			ME			
	Hartstein MK_MAN 20 Marketing Fay MK_REP 20 Marketing									
Create a report to display employees' last name and employee number along with their manager's last name and manager number	Kochhar De Haan				101 King 102 King			Manager		M
Modify above query that also display employee (king) who has no manager The HR department needs a report on job grades and salaries. Report will look like this	LAST NAME	LAST NAME JOB ID DEPARTMENT NAME SAL					SALARY	GRA	1	
	Matos Vargas	ST_CLERK ST_CLERK			Shipping Shipping			2600		