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ORACLE PL/SQL

Assignment

FEBRUARY 12, 2024

Contents

Assignments on HR schema (emp, dept, branch)

Please note upload the assignment in document file named as below
Assignment_21Feb24_<EmployeeCode>.doc

Module	#	PLSQL Conditional Statement, Looping statement, Variables, Records, Cursor and Ref Cursor/sys_refcursosr
Conditional Statement	1	Write a PL/SQL anonymous block to calculate the total salary of employees working in the 'Sales' department. If the total salary exceeds 100000, display "Bonus Granted", otherwise display "No Bonus".
	2	Create a PL/SQL block to calculate the average salary of employees in each department. If the average salary is greater than 50000, print "High Paying Department", else print "Normal Paying Department".
	3	Write a PL/SQL anonymous block to find the employee with the highest salary in each department.
	4	Create a PL/SQL block to give a 10% raise to employees in the 'IT' department and a 5% raise to employees in the 'HR' department.
	5	Write a PL/SQL block to display the names of employees who have a commission greater than their salary.
Loop	6	Display all employees' names and salaries in a specific department using a loop.
	7	Calculate and display the total salary expense for a specific branch using a loop.
	8	Find and display the names of employees who earn a commission using a loop.
	9	Display the names of employees who have a manager using a loop.
	10	Calculate and display the average salary of all employees in a specific department using a loop.
Variable,%Rowtype,%type,Constant	11	Write a PL/SQL anonymous block to calculate the total salary of all employees in a given department.
	12	Create a PL/SQL anonymous block to retrieve all information about an employee with empno 7839.
	13	Declare a variable to store the commission of an employee and assign a commission rate of 0.15.
	14	Define a constant to represent the maximum salary allowed in the company and assign a value of 10000 to it.
	15	Write a PL/SQL block to retrieve the location of the branch where the department with deptno 20 is located.
Cursor	16	Write a PL/SQL anonymous block to display the names of all employees along with their salaries. Hint user cursor
	17	Create a PL/SQL anonymous block to find the total number of employees in each department. Hint user cursor
	18	Write a PL/SQL anonymous block to display the details of employees who have a commission.
	19	Create a PL/SQL anonymous block to find the average salary of employees in each department.
	20	Write a PL/SQL anonymous block to display the names of all employees along with their managers' names.
REF Cursor	21	Write a PL/SQL block to fetch and display the details of all employees in department 10.
	22	Write a PL/SQL block to display the total salary expense for each department.
	23	Write a PL/SQL block to fetch and display the details of employees whose salary is greater than 5000.

	24	Write a PL/SQL block to fetch and display the details of employees who work in the 'New York' branch.
	25	Write a PL/SQL block to fetch and display the average salary for employees in each branch.
Sys_RefCursor	26	Write a PL/SQL block to fetch and display the details of all employees in department 10.
	27	Write a PL/SQL block to display the total salary expense for each department.
	28	Write a PL/SQL block to fetch and display the details of employees whose salary is greater than 5000.
	29	Write a PL/SQL block to fetch and display the details of employees who work in the 'New York' branch.
	30	Write a PL/SQL block to fetch and display the average salary for employees in each branch.
Procedure	31	Write a PL/SQL procedure to calculate the total salary of all employees in a given department.
	32	Write a PL/SQL procedure to find the average salary of employees in each department and display the result.
	33	Write a PL/SQL procedure to update the salary of an employee by a given percentage.
	34	Write a PL/SQL procedure to delete all employees in a given department.
	35	Write a PL/SQL procedure to display the details of all employees in a given branch.
Function	36	Write a PL/SQL function to calculate the total salary of employees in a given department.
	37	Create a PL/SQL function to find the average salary of employees in a given branch.
	38	Implement a PL/SQL function to retrieve the name of the branch where a given employee works.
	39	Write a PL/SQL function to determine the number of employees managed by a given manager.
	40	Create a PL/SQL function to calculate the total commission earned by employees in a given department.
Package	41	Write a PL/SQL package named `Emp_Manager` that contains a procedure to retrieve the manager's details for a given employee.
	42	Create a PL/SQL package named `Dept_Info` with a function to return the number of employees in a department.
	43	Write a PL/SQL package named `Branch_Location` with a procedure to update the location of a branch.
	44	Create a PL/SQL package named `Emp_Salary` with a function to calculate the total salary of all employees in a given department.
	45	Write a PL/SQL package named `Branch_Dept` with a procedure to display all departments under a given branch.