

Assessment 5

PMDS506P Database Management systems.

Instructions:

VTOP Assessment submission must include your Name, Roll No., Program and Screen shots (Both input and output) of the assignment problems. In the screen shots the laptop date and time should also be clearly visible. Use the format given in your page for reference.

Q1. Create the following tables and answer the following questions. The employee's table is,

emp_id	ename	dept	salary	hire_date
1	Alice	HR	4000	1/15/2021
2	Bob	IT	5000	2/20/2020
3	Charlie	Finance	2000	3/30/2022
4	David	IT	6000	4/10/2019
5	Eva	HR	4500	5/25/2023
6	Frank	IT	5500	6/15/2021

1. Write a PL/SQL block that opens a cursor to fetch employee names. Display the message "Employee found" if any employee name is fetched using the %FOUND attribute.
2. Create a PL/SQL program that checks if there are any employees with a salary greater than 8000 using a cursor. If none are found, print a message stating "No employees with salary greater than 8000." (using %notfound)
3. Create a parameterized cursor that accepts a department name as an input. Write a PL/SQL block to fetch and display all employee names belonging to that department.
4. Write a PL/SQL program that uses a cursor to fetch the first employee's details. If no employees are found, display a message "No employees available."
5. Create a PL/SQL block that uses a cursor to find all employees in a specific department (e.g., 'HR') and increases their salaries by 5%. Display the old and new salaries for each updated employee.
6. Write a PL/SQL block that defines a parameterized cursor to fetch employee names with salaries within a specified range (e.g., between 4000 and 6000). Use

input parameters for the range and display the names of employees that meet the criteria.

7. Explore what are triggers in the context of PL/SQL and give at least three examples for the same.