

Cycle 3

3.PL/SQL PRACTISE QUESTIONS

1. Write a PL/SQL block to read two numbers and find the greatest among them.
2. Write a PL/SQL block to read three numbers and find the greatest among them.
3. Write a PL/SQL block to read two numbers and print all the numbers between them.
4. Write a PL/SQL block to read N and find the sum of the series $1+2+3+\dots+N$.
5. Write a PL/SQL block to read a marks and display the grade.
6. Write a PL/SQL block to read a number and invert the given number.

Create a Table:

EMPLOYEE: (ID, NAME, SALARY, DEPNO, BDATE)

Then do the following questions

7. Create a procedure to display Welcome to PL/SQL.
8. Write a PL/SQL block to read ID of an employee and display his salary.
9. Write a PL/SQL block to read ID of an employee and display his name and birthdate.
10. Write a PL/SQL block to read ID of an employee and display his month of birth.
11. Write a PL/SQL block to read IDs of two employees and display the difference in salary between them.
12. Create a cursor to display the highest 10 salaries of the employee table.
13. Create a procedure to accept the dno and display the id, name and salary of all the employees working in that department. Execute this procedure and show the result.
14. Create a function to accept the id of an employee and return his salary.
15. Create a trigger to maintain an audit trail for employee table. When insert, update or delete is performed on employee table insert a row into emp_trail table with value specifying the operation and date of operation.
16. Create a trigger to maintain an audit trail for employee table for tracking salary modifications. When salary is updates, insert into emp_sal_trail table a row with values of employee id, name, salary before modification, salary after modification and date of modification.
17. Create a trigger to prevent salary modification of an employee, if salary after modification is less than the salary before modification.
18. Create a trigger to prevent salary modification of an employee on Sunday.
19. Assume a table Department with columns DeptNo and Total_Sal. Total_Sal maintains the total salary given by that department. Create triggers on employee table for maintaining Total_Sal in Department table.

4.PL/SQL SYLLABUS EXCERCISE

1. Book return should insert an entry into the Book_Return table and also update the status in Book_Issue table as 'Returned'. (stored procedure).
2. Create a database view 'Available_Books', which will list out books that are currently available in the library.
3. Create a database procedure to add, update and delete a book to the Library database (use parameters).
4. Use cursors and create a procedure to print Books Issue Register .
5. Create a history table (you may use the same structure without any keys) for the MEMBER table and copy the original values of the row being updated to the history table using a TRIGGER.

5. GROUP PROJECT