

School of Computer Science and Engineering

Database Systems Lab

Cycle sheet –II - PL/SQL

Consider the following schema for PL/SQL programming:

Table Name: Employee

Attribute	Data Type
First Name	VARCHAR(15)
Mid Name	CHAR(2)
Last Name	VARCHAR(15)
SSN Number	CHAR(9)
Birthday	DATE
Address	VARCHAR(50)
Sex	CHAR(1)
Salary	NUMBER (7)
Supervisor SSN	CHAR(9)
Department Number	NUMBER (5)

Table Name: Department

Attribute	Data Type
Department Name	Varchar(15)
Department Number	Number(5)
ManagerSSN	CHAR(9)
ManageStartDate	DATE

Exercise - VII:

Aim: To understand the concept of PL/SQL Programming

1. Write a PL/SQL block to accept an empno and display the salary of the person.
2. Write a PL/SQL program to delete one record in employee table
3. Write a program to delete employee details who are having age >60.
4. Write a PL/SQL block to display employees must make a minimum salary of \$1,000.
5. Write a PL/SQL to delete a records whose basic salary is <2000 from Emp table.

Exercise - VIII:

Aim: To know the usage of different sequential control structures in PL/SQL effective programming

1. Write a PL/SQL block to find the greatest of three numbers.
2. Write a PL/SQL code to print the student's grade accepting their marks in three subjects (hint use: case selector....)

Exercise –IX :

Aim: To understand the concepts of Iterations and Subprogram (Procedures and Functions)

Iterations

1. Write a PL/SQL code to print the numbers in reverse order from 100 to 1.
2. Create a pl/sql block to find the sum of series $1+3+5+\dots+n$.

Functions

3. Write a function to give the number of employees for a given Department name.
4. Write a PL/SQL to find the factorial of the given number using function.

Procedure

5. Write a procedure to accept an employee name and display his Department names.

Exercise - X:

Cursor

Aim: To understand implicit and explicit cursor in PL/SQL

1. Retrieve the employee details using cursors.
2. Write a cursor program to display all the employee and department details