Advanced Database Applications [DSCI 32012]

PL/SQL Tutorial – Cursors

1. Write a PL/SQL program to retrieve the first name of the employee with employee id 200. Then check for the following cursor attributes and display a statement relevant to the cursor attribute value.
    a. ISOPEN
    b. FOUND
    c. NOTFOUND

2. Create a table named Student with the attributes Std_No (Primary Key), Std_Name and Address. Perform the following operations and observe the value of the cursor attribute SQL%ROWCOUNT.

Std_No	Std_Name	Address
CT101	Kasun	Colombo
CT102	Ramesh	Gampaha
CT103	Krishna	Colombo
CT104	Dinusha	Galle
CT105	Nimesha	Matara

   a. Insert the above values to the table you created.
   b. Update the name of the student CT102 to Ayesh.
   c. Delete the students in Colombo.

3. Write a PL/SQL program to display the employee_id and first_name of the employees in the user entered department. Use an explicit cursor to retrieve the data.

4. Write a PL/SQL program to retrieve all the details of the countries which has country name starts from letter I (capital i) and the region id is 1, using explicit cursors.

5. Write a PL/SQL program to retrieve the employee ids who are getting a salary more than the average salary of the employees of the department 60. Use separate explicit cursors to find the average salary and employees having a salary greater than that average salary.