**Sql Program day 4**

**Assignment**

1. Write a Procedure to display top 5 employee based on highest salary and display employee number, employee name and salary using Cursor
2. Create a procedure called USER\_QUERY\_EMP that accepts three parameters. Parameter p\_myeno is of IN parameter mode which provides the empno value. The other two parameters p\_myjob and p\_mysal are of OUT mode. The procedure retrieves the salary and job of an employee with the provided employee number and assigns those to the two OUT parameters respectively. The procedure should handle the error if the empno does not exist in the EMP table by displaying an appropriate message
   * Compile the code, invoke the procedure, and display the salary and job title for employee number 7839. Do the same for employee number 7123.
3. Create a function named USER\_ANNUAL\_COMP that has a parameter p\_eno for passing on the values of

an employee number of the employee. The function calculates and returns the annual compensation of the employee by using the following formula.

annual\_compensation = (p\_sal+p\_comm)\*12

If the salary or commission value is NULL then zero should be substituted for it.

Give a call to USER\_ANNUAL\_COMP.

1. Create a procedure named SHOW\_RECORDS that accepts a single parameter p\_join\_date.

The procedure determines and displays on the screen, the details of the employees who have joined after p\_join\_date, in the following format.

Employees Joined after ddth, Month yyyy

EMPLOYEE NAME JOB SALARY DEPARTMENT

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

XXXXXXXX XXXXX 99,999 99

XXXXXXXX XXXXX 99,999 99

The procedure should display appropriate message if there is no employee who joined after p\_join\_date . call SHOW\_RECORDS.

1. Create a function named USER\_VALID\_DEPTNO that has a single parameter p\_dno to

accept a department number and returns a BOOLEAN value. The function returns TRUE

if the department number exists in the DEPT table else it returns FALSE.

 Create a procedure named SHOW\_STRENGTH that accepts department number in a

single parameter p\_deptno from user. The procedure gives a call to

USER\_VALID\_DEPTNO. If the function returns TRUE then the procedure finds out how

many employees are there in the department from the EMP table and displays the same

on the screen. If the function returns FALSE then the procedure displays an appropriate error message.

 Give call to SHOW\_STRENGTH by passing on department number 10. Do the same for department number 76

1. Create a function named FIND\_SAL\_GRADE which accepts salary of an employee finds

the corresponding salary grade from SALGRADE table and returns the grade. The

function should raise an exception if the salary value does not fit in any of the salary

ranges specified in the salgrade table.

 Create a procedure CALL\_FIND\_SAL\_GRADE that does not accept any parameter. The

procedure gives call to FIND\_SAL\_GRADE for each record in the emp table by passing on

the salary value from the current record. The procedure displays the corresponding

employee number, employee name and the salary grade returned by FIND\_SAL\_GRADE,

on the screen. The procedure should handle error thrown by the function by displaying

an appropriate message.

 Give a call to CALL\_FIND\_SAL\_GRADE .