**Job Scheduling in Oracle**

What is job scheduling in oracle?

Term scheduling itself refer that some sort of job has been scheduled, exactly and that job should be perform automatically through our assigned process.

How it can be done?

Suppose we made some procedure, package etc in database and would like to execute on specific time automatically at that occasion we use oracle utility job scheduler.

Process of executing with the help of example.

I made one procedure to take summarized information about number of employees, sum of the salary that has been paid, number of departments on specific time and note in log table. Below you will find how it processed

**Step No1:-**

Create one table where log maintained.

create table SCOTT.employee\_summary

(TOTAL\_EMPLOYEES NUMBER,

TOTAL\_DEPARTMENTS NUMBER,

TOTAL\_SALARY NUMBER,

TRANSACTION\_TIME DATE

)

/

**Step No2:-**

Required one procedure who perform task to take summary and store in table.

CREATE OR REPLACE PROCEDURE UPDATE\_SUMMARY

AS

V\_SAL NUMBER;

V\_DEPT NUMBER;

V\_EMP NUMBER;

BEGIN

SELECT SUM(SAL) SALARY, COUNT(DEPTNO) DEPT\_ID, COUNT(EMPNO) EMPLOYEE

INTO

V\_SAL,

V\_DEPT,

V\_EMP

FROM EMPLOYEES;

INSERT INTO SCOTT.employee\_summary

VALUES

(V\_SAL, V\_DEPT, V\_EMP, SYSDATE);

END;

**Step No3:-**

I am going to divide this step in two methods if one failed than second can be used.

(i)

BEGIN

*DBMS\_SCHEDULER.CREATE\_JOB* (

job\_name => 'UPDATE\_SUMMARY1',

program\_name => 'STORED\_PROCEDURE',

job\_action => 'UPDATE\_SUMMARY',

number\_of\_arguments => 0,

start\_date => NULL,

repeat\_interval => 'freq=daily; byhour=1',

end\_date => NULL,

job\_class => NULL,

enabled => ' ',

auto\_drop => FALSE,

comments => 'My new job',

redential\_name => NULL,

destination\_name => NULL);

END;

(ii)

We all aware about TOAD in toad simply we go to schema browser > jobs> job\_schedule.

**Note:-**

We will schedule multiple jobs depending on the work by defining time specified.