**CSC554 Lab#2 Oracle Partition**

**\* You don’t need to submit. This is for your own practice**

**1.** Invoke SQL Developer and then use the following 4 columns of **C##Scott.Emp** table to create another Employee Table called ***Emp\_Service\_Year*** with two partitions – one partition **(Morethan20)** includes all the employees who have more than 20 years of services as of 12/31/2003 and the other partition **(Lessthan20)** is the remaining.

## Hints: Partition by Range

*Use TO\_DATE function to convert the value of HIREDATE to ‘dd-mon-yyyy’*

ENAME VARCHAR2(10),

JOB VARCHAR2(9),

MGR NUMBER(4),

HIREDATE DATE

**2.** Insert all rows from C##Scott.Emp table to ***Emp\_Service\_Year*** table.

1. Query data in each partition.

**4.** Repeat #1 to create ***Emp\_Service\_Year\_Range\_List*** table including two List Subpartitions in each Partition. The Management List Subpartition includes President, Manager and Analyst. The Sales List Subpartition includes Salesman and Clerk.

**5.** Insert all rows from C##Scott.Emp table to Emp\_Service\_Year\_Range\_List table.

**6.** Query data in each subpartition of Emp\_Service\_Year\_Range\_List table.

1. List all Partitions and Subpartitions of Emp\_Service\_Year\_Range\_List table.

*Hint: Query USER\_TAB\_SUBPARTITIONS*

**8.** Drop subpartition (Sales\_L20) of Emp\_Service\_Year\_Range\_List table.

**9.** List all Partitions and Subpartitions of Emp\_Service\_Year\_Range\_List table.

**10a .** Drop partition (MoreThan20) of Emp\_Service\_Year\_Range\_List table.

**10b.** List all Partitions and Subpartitions of Emp\_Service\_Year\_Range\_List table.

**11.** Repeat #1 to create ***Emp\_Service\_Year\_Range\_Hash*** table including 3 Hash Subpartitions on Employee Name in each Partition. Please spread 3 Hash Subpartitions across three different tablespaces - TS10, TS20, and TS30. Those tablespaces have been created on the Linux server for you to use.

### Hints: Use Subpartition Template

**12.** Insert all rows from Scott.Emp table to Emp\_Service\_Year\_Range\_Hash table.

**13.** List all Partitions and Subpartitions of Emp\_Service\_Year\_Range\_Hash table.

**14.** Query data in each subpartition of Emp\_Service\_Year\_Range\_Hash table.

**15.** Can you drop Subpartition LESSTHAN20\_SP3 because there is no data? Why?