Experiment No. 4

Implementation Range and Hash Partition

Problem Statement

**Range Partition:**

Consider a table named **employees with** schema emp (id int, fname varchar(25) not null, lname varchar(25) not null, store\_id int not null, department\_id int not null) with id as a primary key and insert 20 records with id ranges from 1 to20.

Make 4 partitions by range:

P0: id < 5

P1: id < 10

P2: id < 15

P3: id < 20 or Maxvalue.

Answer following queries:

1. Retrieve employee details from partition P1 and P2.
2. Retrieve employee details from partition P0 and P1 where fname begin with ‘S’.
3. Count number of employees from each department from p1, p2 and p3.

**Hash Partition:**

Consider a table named sales\_hash with schema (salesman\_id number(5), salesman\_name varchar2(30), sales\_amount number(10), week\_no number(2)) with salesman\_id as primary key and insert at least 10 records.

Create 4 partitions using hash partitioning.

Answer below queries.

1. Retrieve sales details from 2nd partition.

2. Retrieve name of sales mans and amount from 4th partition where sale amount between 2000 and 5000.

3. Find average sale amount per week from 3rd partition.