Name : Avdhut Pailwan Roll No. : BTB22

**PRN**: 2122000380 **Subject**: Advanced Database Systems Lab

## **Experiment No.: 5**

## Implementation Range and Hash Partition

## 1. 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 to 20.

Make 4 partitions by range:

P0: id < 5

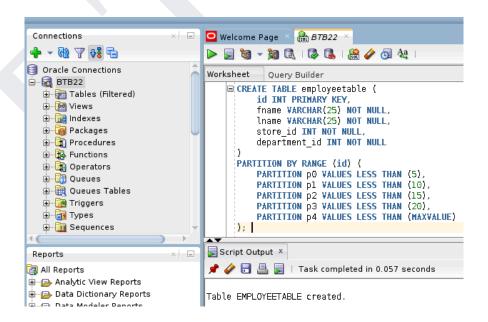
P1: id < 10

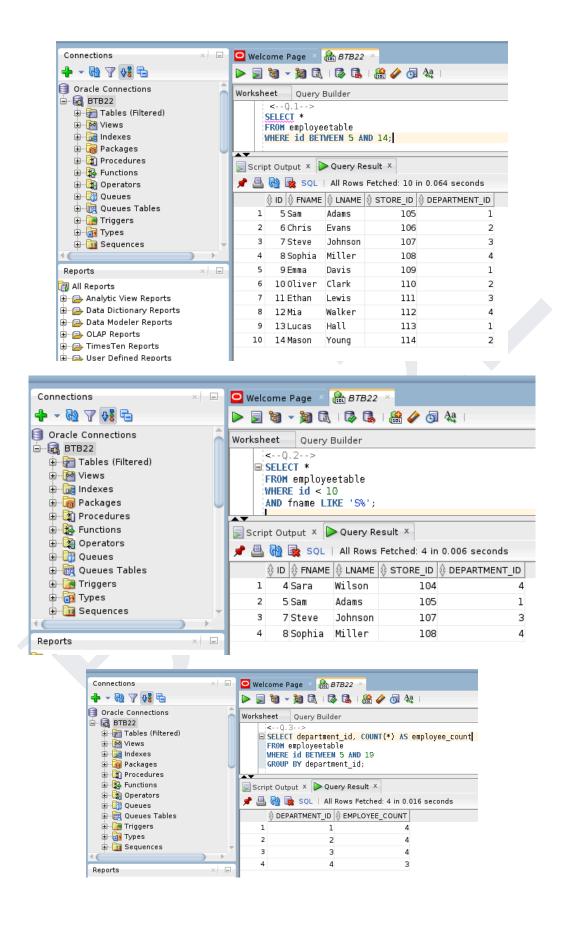
P2: id < 15

P3: id < 20 or Maxvalue.

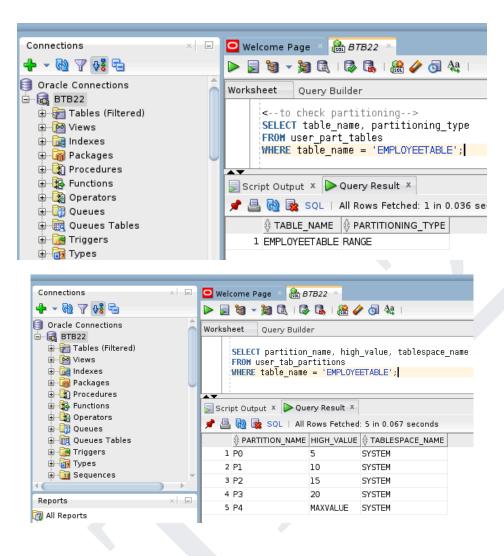
Answer following queries:

- 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.





ADS LAB | BTB22 2



## 2. Hash Partition:

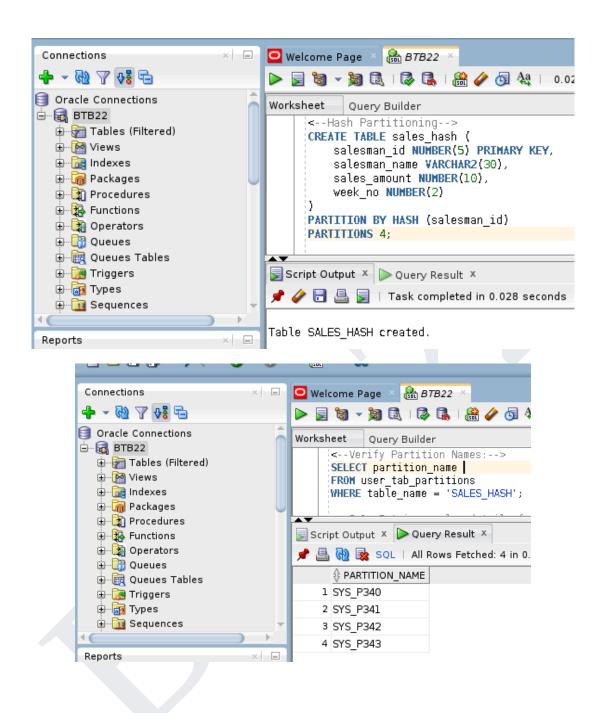
Consider a table named sales\_hash with schema (salesman\_id number(5), salesman\_name varchar2(30), sales\_amount number(10), week\_no number(2)) with salesman\_id as primary key and insert at least 10 records.

Create 4 partitions using hash partitioning.

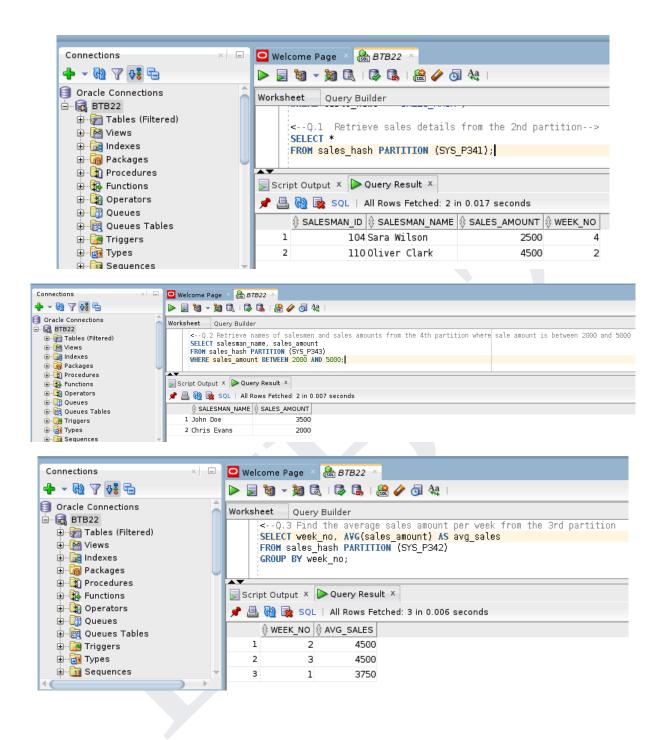
Answer below queries.

- 1. Retrieve sales details from 2<sup>nd</sup> partition.
- 2. Retrieve name of sales mans and amount from 4<sup>th</sup> partition where sale amount between 2000 and 5000.
- 3. Find average sale amount per week from 3<sup>rd</sup> partition.

ADS LAB | BTB22



ADS LAB | BTB22 4



ADS LAB | BTB22 5