

Experiment No. 3

Aim:- To perform OLAP operations in SQL environment based on experiment 1 case study. Problem Statement:

Ticket Reservation data warehouse to keep records of sales with respect to dimensions like ticket_reservation, station, class, coach, passenger. These

dimensions will keep track of things like sales, passenger details, station

location, train details, number of tickets sold and amount earned. OLAP Operations :

```
mysql> select from ticket_reservation natural join train where train_code = 5678;
```

```
mysql> select from ticket_reservation where train_code = 5678;
```

```
mysql> slice;
```

```
mysql> select sum(total_amount) from fact_sales where train_code in (1234, 9101112);
```

```
mysql> select train_code, station_id, sum(total_amount) as total_amount_sun from fact_sales group by train_code, station_id;
```