# **P10: Sub-Queries**

## **Sub-Queries**

a. Basic Subqueries b. Multiple Column Subqueries c. Subqueries with Having d. Correlated Subqueries

### **OUTPUT:**

## **DATABASE** with table Definition

Single row subqueries using where clause



### Equal to

```
Month state frame. Lawn. We from employee group by Prome_Ma haring man(mail_jacary) - Cheset Manyanat_halary) from employee aren's implicit and in the control of the contr
```

#### Greater than

```
mysql> select Fname, iname, Sex from employee group by Phone_no having min(Basic_salary) > (select min(Basic_salary) > from employee where Employee_Sd = 1004);

| Fname | Lname | Sex |
| Alen | Grace | M |
| Anitta | Aldrin | F |
| Asha | Tampi | F |
| Fows in set (0.01 Sec)
```

### Greater or equal to

### **Subqueries in from clause**

```
mysql> select Join_date, Name from (select Hire_date as Join_date , Fname as Name from employee) as employee where Name = 'Ambily';

| Join_date | Name |
| 2028-07-02 | Ambily |
| row in set (0.00 sec)
```

# Multiple row subqueries

## Using in

## **Using Any**

```
equip select Order_1d, Order_date, Tstal_price from Order_details where Menu_1d = MRY (select Menu_1d from Menu where Type ="myderabadi");

| Defer_id | Order_date | Total_price |
| 1800m | 3801-00-18 | 3801-00-18 | 780 |
| 1800m | 3801-00-81 | 780 |
| 7 rows is set (8.80 sec)
| mydph select Order_id, Order_date, Tstal_price from Order_details where Menu_id = MRY (select Menu_id from Menu where Type ="Armsb");
| mytph set (8.80 sec)
```

## Using all

```
mysql> select Order_id, Order_date, Total_price from Order_details where Menu_id = A
LL (select Menu_id from Menu where Type ="ITALIAN");

| Order_id | Order_date | Total_price |

| 18884 | 2821-81-88 | 588 |

1 row in set (8.81 sec)

mysql>
```

## **Correlated subquery**

### **Exists**

```
eyagls select frame. Shifting. Phone_no _specialisation from thef_details C where exists (select * from thef_details where Oxef_id+C.Oxef_id):

| Frame | Shifting | Phone_no | specialisation |
| Alex | Amening | ***select** | Sacrier |
| Alien | Amening | ***select** | Sacrier |
| Joilly | Evening | ***select** | Sacrier |
| Joilly | Evening | ***select** | Sacrier |
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| Ambilly | inject**
```

### Not exists