

Corelated query

- If the nested query is dependent on parent query for data, then it is called as co-related query
- In co-related query inner query gets executed n times, if in parent table n rows are there.
- The inner query will get executed once for each row in the parent table
- Use nested query when you want to show data in the o/p only from one table.

In co-related query we use exists and not exists operator

Exists will return true if rows are found and false if rows are not found.

Not exists will return true if rows are not found and will return false if rows are found.

| pid | pname | qty | price | cid |
|-----|---------------|-----|--------|-----|
| 2 | Nachos123 | 302 | 150.00 | 1 |
| 3 | Pringles123 | 29 | 150.00 | 1 |
| 4 | Marie gold | 20 | 50.00 | 2 |
| 5 | nice1234 | 35 | 45.00 | 2 |
| 6 | good day123 | 45 | 60.00 | 2 |
| 20 | Hide and seek | 45 | 40.00 | 2 |

| cid | cname | cdesc |
|-----|-------------|-------------------------|
| 1 | chips | very crispy |
| 2 | biscuits | sweet and tasty |
| 3 | chocolate | yummmmy |
| 4 | cold drinks | thanda thanda cool cool |

1. Find first topmost 2 product based on qty
Select *
From product
Order by qty desc
Limit 2
2. Find minimum price for each category.
Select cid, min(price)
From product
Group by cid
3. Find all products of either chips or cold drink category.
Select * from product
Where cid in (select cid from category where cname in('chips','cold drinks'))
4. Find all products with price >25 and <100
Select * from product where price between 26 and 99
5. Find all products for category 1
Select * from product where cid=1;

DDL statement -----

create table to create a table
write a query to create room table to store rid, rname and loc
create table room(
rid int primary key,
rname varchar(30),

```
loc varchar(30)
)
```

write a query to create faculty table to store fid, fname and skills

```
create table faculty(
    fid int primary key,
    fname varchar(20),
    skill varchar(30)
)
```

Write a query to create table product to store pid, pname, qty, price, cid

```
Create table product(
Pid int primary key,
Pname varchar(20),
Qty int,
Price float(7,2)
cid int);
```

Write a query to create table category to store cid, cname, cdesc

```
Create table category(
    cid int primary key,
    cname varchar(20),
    cdesc text
)
```