

```
create table bank (bid int primary key,bname varchar(20),btype varchar(20));
insert into bank values
(1,'icic','private'),(2,'sbi','government'),(3,'pnb','government'),(4,'hdfc','private');
```

```
create table customer (cid int primary key,cname varchar(20),age int);
insert into customer values(1,'jhuma',21),(2,'kanan',45),(3,'amey',36),(4,'radha',38);
```

```
create table account (aid int primary key, bid int , cid int , atype varchar(20), amount int , foreign
key(bid) references bank(bid), foreign key (cid) references customer(cid));
```

```
insert into account values (1,1,2,'savings',50000),
(2,1,3,'current',2000),(3,2,1,'current',5000),(4,4,1,'savings',65000),(5,3,3,'savings',85000),
(6,2,4,'current',10000);
```

q1

```
select bname from bank where bid in (select bid from account a group by a.bid having
count(cid) >=all (select count(cid) from account a group by a.bid ));
```

q2

```
select count(cid) ,bid from account group by bid;
```

q3

```
select distinct(bname) from bank b inner join account a on b.bid=a.bid inner join customer c on
c.cid=a.cid where c.age in (30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50);
```

q4

```
select bname from bank where bid in (select bid from account group by bid having
sum(amount)>=all(select sum(amount) from account group by bid));
```

q5

```
select cname from customer where cid in (select distinct(cid) from bank b1, bank b2 , account a
where b1.bid=(select bid from bank where bname='icic') and b2.bid=(select bid from bank where
bname='pnb')and a.bid=b1.bid);
```

```
mysql> select * from customer;
```

cid	cname	age
1	jhuma	21
2	kanan	45
3	amey	36
4	radha	38

```
4 rows in set (0.00 sec)
```

```
mysql> select * from account;
```

aid	bid	cid	atype	amount
1	1	2	savings	50000
2	1	3	current	2000
3	2	1	current	5000
4	4	1	savings	65000
5	3	3	savings	85000
6	2	4	current	10000

```
6 rows in set (0.00 sec)
```

```
mysql> select * from customer;
```

cid	cname	age
1	jhuma	21
2	kanan	45
3	amey	36
4	radha	38

```
4 rows in set (0.00 sec)
```

```
mysql> select * from bank  
-> ;
```

bid	bname	btype
1	icic	private
2	sbi	government
3	pnb	government
4	hdfc	private

```
4 rows in set (0.00 sec)
```

```
mysql> █
```



74°F  
Cloudy

```
C:\Program Files (x86)\MySQL\MySQL Server 5.0\bin\mysql.exe
Empty set (0.00 sec)

mysql> select cname from customer where cid in (select distinct(cid) from bank b1, bank b2 , account a where b1.bid=(select bid from bank where bname='icic') and b2.bid=(select bid from bank where bname='pnb') and a.bid=b1.bid);
+-----+
| cname |
+-----+
| kanan |
| amey  |
+-----+
2 rows in set (0.00 sec)

mysql> select bname from bank where bid in (select bid from account group by bid having sum(amount)>=all(select sum(amount) from account group by bid));
+-----+
| bname |
+-----+
| pnb   |
+-----+
1 row in set (0.00 sec)

mysql> select distinct(bname) from bank b inner join account a on b.bid=a.bid inner join customer c on c.cid=a.cid where c.age in (30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50);
+-----+
| bname |
+-----+
| icic  |
| pnb   |
| sbi   |
+-----+
3 rows in set (0.00 sec)

mysql> select count(cid) ,bid from account group by bid;
+-----+
| count(cid) | bid |
+-----+
| 2          | 1   |
| 2          | 2   |
| 1          | 3   |
| 1          | 4   |
+-----+
4 rows in set (0.00 sec)

mysql> select bname from bank where bid in (select bid from account a group by a.bid having count(cid) >=all (select count(cid) from account a group by a.bid ));
+-----+
| bname |
+-----+
| icic  |
| sbi   |
+-----+
2 rows in set (0.00 sec)

mysql>
```