10 Examples of subquery. Ex. Employee table

| Emp-id | Emp-name | Jobinami | mana | desaid hire date emmission | oldep.id |
|------------|----------|------------|------|----------------------------|----------|
| 150 | Sarah | consultant | 1 | 70000 05 04 2019 0.00 | |
| 242 | Raakhi | Programmen | 2 | 50000 11 05 20 20 0.00 | 200 |
| 315 | Satya | Developer | 3 | 40000 14 03 2012 0:00 | 300 |
| | Tara | Analyst | 4 | 30000 08 102 2020 0.00 | 600 |
| 420 530 | mani | Tester / | 5 | 56000 19 08 2021 0100 | 100 |

1) Query to display name for those employees whose Id

Select emp-name from Employee whose salary > (select salary from employee where Emp-id = 530);

0/9:-

Emp-name Sarah Rakhi Satya

2) find all Employees whose salaries are greater than the average salary of all employees Select Emp-id, Emp-name, Salary from Employee where salary > (select Avg (salary) from Employee);

10 Examples of subquery

Ex. Employee table

| | | | A margin de communication of the last regions on | | This date | ammission | dep-id |
|--------|----------|------------|--|-------|------------|-----------|--------|
| Emp-id | Emp-name | 10pmano | geria na | | | | 100 |
| 150 | Swah | consultant | | - 4 | 08/04/2015 | | 200 |
| 242 | Raakhi | Brogrammer | 2 | | 11/05/2020 | | 300 |
| | Contra | Developer | 3 | 40000 | 14/03/2012 | 0,00 | 400 |
| 315 | Satya | | 4 | 30000 | 08/12/2020 | 0.00 | |
| 420 | Tara | Analyst | 7 | | 19/08/2021 | | 800 |
| 530 | mani | Tester / | 5 | 38000 | 13/03/2021 | | |
| 13.5 | 1 | | | 77 | | | |

0

Delivery to display name for those employees whose id gets more salary than the employee whose id

Select emp-name from Employee whose Salary > (select salary from employee where Emp-id = 530);

0/P:-

| Emp-name | - |
|----------|-----|
| Sarah | |
| Roakhi | _ \ |
| Satya | |

2) find all Employees whose salaries are greeter than the average salary of all employees.

Select Emp-id, Emp-name, Salary from Employee where salary > (select Avg (salary) from Employee);

0/P

| Emp-id | Emp-namo | Salary |
|-----------------|----------|--------|
| 150 | seviah | 7000 |
| 242 | Raakhi | 50000 |
| the year of the | 112 | |

3) Find all employee id names, Salary whose Job, name Contains second letters as 'e'

Select Emp-id Emp-name, salary from employee where salary IN (select salary from employee whose Job-name Like '-e'/.');

0/ P!

| | | A SALINE | But it have |
|--------|----|----------|-------------|
| emb-id | 8W | aname | |
| 315 | Sc | xtya | 40000 |
| 530 | m | ani | 38000 |

4) find department id & salary for all employees between dept-id b/w 200 & 400

Select dep-id, salary from Employee whose dep-id

(Select dep-id from Employee whose dep-id

Between 200 and 400);

0/P

| | | _ | |
|---|----------|-------|--------|
| | emp-name | Salay | dep_id |
| 1 | Raakhi | 50000 | 200 |
| 1 | Satya | 40000 | 300 |
| 1 | Tara | 30000 | 4000 |

5) find a query for each employee along with average salary for all employees.

Select Emb-id, Emb-name, salary (select alg(salary) from Employee) as avg-salary from Employee;

OSP'-

| X LITTLE AVY | | (1) | |
|--------------|-----------------|--------|------------|
| emp-i'd | emp-name | Salary | avg_salary |
| ISD | Swah | 7000D | 42000 |
| 242 315 | Raakhi Satya | 40000 | 43000 |
| 420 | Tara | 30000 | 43000 |
| 520 | mani | 360000 | 43000 |

2) Employee table as emp

E-id Crap

| E-id l | E-name | Debt | salary |
|--------|---------|------|--------|
| 1 | Ram | HR | 10000 |
| 2 | Amnit | MRKT | 20000 |
| 3 | Ravi | Ravi | 20000 |
| 4 | Northin | MRKT | 40000 |
| 5 | Vanun | IT | 50000 |

1) worite a sql query to display maximum salary from emportable

Select E-name from employer where salary = (select max(salary) from emb);

011

Eppp-name

2) write a sal query to display secund highest salary from emp-table?

Setect max (sollary) from Emp.

Select & max (salary) from emp where salary <> (select max (salary) from omp); 3) wasqt write a sql query to display emp-name who is taking second highest salary?

Select emp-name from emp where salary = (select max (salary) from emp where salary < (select max (salary) from emp));

| 0)p | emp-name |
|-----|----------|
| , | rima |
| | |

4) write a query to display all the employeedept namemanner along with no of employee workings

Select dept, count(*) from emp group by dept;

| Olp. | dept | count (x) |
|------|------|-----------|
| | m | 2 |
| | mkrt | 2 |
| V | IT | |
| | | |

o) write a query to display all the dept-names where no- of emp are less than 2;

Select dept from emp group by dept having count (r) <2;

| OP | 1 dept | |
|------|--------|---|
| 0/12 | -17 | _ |
| | 1-11 | |

SAL JOINS

1st Example of Joins

Clistomer table

| Cid | cname | camail |
|-----|----------------|------------------|
| 1 | | rindd Ogmalen |
| 2 | | hahadur@gmail. |
| 3 | 1 1 | thapa@gmailum |
| 5 | thapatechnical | the pattagner um |
| | | |

Orders table

| | | | | 1 |
|---|------------------|--|-----------------|---------|
| J | oid | ordendete | oamount | CIA |
| | 1 2 3 4 | 2019-05-05 2019-09-06 2019-08-05 2019-05-12 | 162 82 22 | 1 2 1 3 |
| | | | | |

1) INNER JOIN:

Select & from customer, orders ON we have customer. cid = orders. cid; order by orderdate;

| 1 2 | Vinod bahadur Vinod | Vinod @gmail cum banadur@gmail cum vinod @gmail cum thepa @gmail cum | 1 2 3 | 2019-05-05 2019-09-06 2019-09-0 2019-08-0 | 55 6 165 | Cid |
|-----|---------------------------|---|-------|--|-------------|-----|
| 3 | thapa | thepa agmay rum | | | | |

LEFT JOIN

Select customer. cid, chame, bamount from customers LEFT JOIN orders ON customer. cid= orders.cid;

| 0 | P | • |
|---|---|---|
| 0 | V | • |

| cid | cname | oumount |
|-----|---------|---------|
| | Vinod | 56 |
| 2 | bahadur | 85 |
| 1 | vinod | 165 |
| 3 | Thapa | |
| 2 | thapate | NULL |

RIGHT JOIN:

Select customer. cid, cname, oamount from customer RIGHT JOIN orders ON customer. cid= orders. cid;

011:

| Cid | cname | oamount |
|---------|------------------------------------|-----------------|
| 1 2 1 3 | Minod Bahadur Minod Thapa | 85 105 95 |

1) Customer table

| IID | Name | Age | Address | Salary |
|-----|--------------|----------|-------------|--------|
| 2 | Adi'l Ali | 30 32 | New York | |
| 3 | Bano Agsa | 25 | Sydney Pans | 8000 |

Order table

| | Oid | Date | customerIP | Amount |
|---|-----|------------|------------|--------|
| l | 1 | 15-08-2009 | 3 | 3000 |
| 1 | 2 | 27-11-2010 | 3 | 7000 |
| | 3 | 31-01-2012 | 2 | 6000 |
| 1 | 4 | 15-03-2016 | 4 | 9000 |

1) INNER JOIN

Select ID, Name, amount, Date from customers
INNEL JOIN ORDERS ON customerid;
customerid = order customerid;

OIP

)(

W

un

| <i>\(\)</i> | | 1 | | | salaxy | TD | Name | A | |
|--------------|--------|------|------------|---------|--------|----|-------|--------|------------|
| 4. | TD | Hame | Age | Address | Salayy | アロ | Maria | Amount | Date |
| e | 1 | Adil | () | Landon | 50,00 | 1 | Bano | 3000 | 15-08-2009 |
| | | Ali | | Newyork | 2000 | 2 | Bano | 7000 | 27-11-2010 |
| | 2/ | Bano | | sydney | 6000 | 3 | i A | 6000 | 31-01-2012 |
| 4 | /3 | | 2 C | Paxis | 8000 | 4 | Agsa | 9000 | 15-03-2016 |
| - | 4 | 7140 | | | | | | | 1 |
| - 1 | . b. j | | | | | | | | |

in

Select ID, name, amount, Date from customer RIGHT JOIN order on customer Id = order-customer ID;

| ų, | 107 | | The state of the s | |
|----|----------|------|--|--|
| | ID | Name | Amound | Date |
| | | Bano | | 15-08-2009 |
| | 2 | Bano | | 27-11-2010 |
| | <i>3</i> | Agsa | | 15-03-2016 |
| | 5 | HULL | 2000 | 21-10-2018. |
| L | | | | and the second s |

3) LEFT JOIN

Select ID, NAME, Amount, dote from customer LEFT JOIN order ON customer. ID = order customer. ID;

OJP.

m

| ID | Name | Amount | Date |
|-------|-------------------------------------|----------------------|---|
| 2 3 4 | Adul Band Band Ali Agsa | HULL 3000 6000 | NULL 15-08-2009 2-1-11-2010 31-D1-2012 15-03-2016 |

FULL JOIN :-

Select ID, name, amount, dute from customer order on customer customer. id = orders. customer. ID;

| ID | Name | Amount | Date |
|-------------|------|--------|-------------|
| 1 2 3 4 5 6 | Adul | NULL | NULL |
| | Bano | 3000 | 15-08-2019 |
| | Bano | 7000 | 27-11-2010 |
| | Ali | 6000 | 31-01-2012 |
| | Agsa | 9000 | 15-03-2016 |
| | Null | 2000 | 21-10-2018. |