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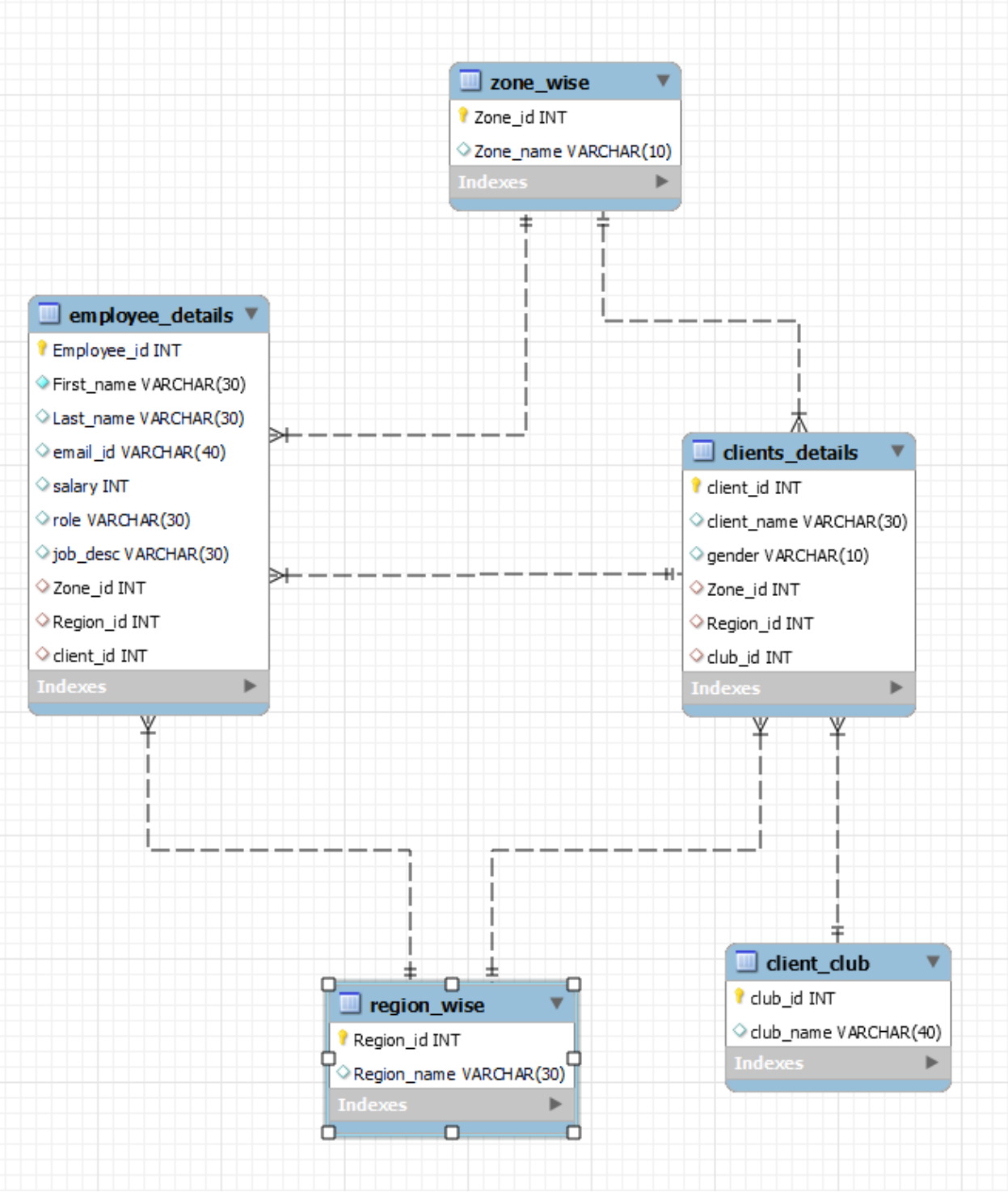
# SQL CASE STUDY

## Employee Database management

Tally is the most powerful tool used for GST filing all over India. Everywhere Tally software is using. For example hospital, schools, supermarket, restaurant,small business scale and large business scale.It is a user friendly. I thought of creating the database for tally employees. So I created one table for employees,which zone they belong to,which region the employee are from. One employee can manage multiple partner. One partner can given the product to multi-user. The user is using the Tally software. The client have different club.
It's a big company database but I have created few things.Managing employee data effectively crucial for any organization.

Tally offers robust features for employee database management. This includes handling employees details ,clients details, payroll, attendence and other HR related tasks efficiently. Implement role-based access control to ensure that sensitive employee data is accessible only to authorized personnel. Support for importing and exporting employee data in various formats for easy integration with other HR systems. It is more Efficiency for streamlines HR process, making them more more efficient and less time-consuming. It is more Accuracy and ensures accurate record-keeping.

## ENTITY RELATIONSHIP DIAGRAM




1.Create the parent table like **Region_wise,zone_wise,client_club** table:

```sql
create table Region_wise
(
Region_id int primary key,
Region_name varchar(30)
);

create table Client_club
(
club_id int primary key,
club_name varchar(40)
);

create table Zone_wise
(
Zone_id int primary key,
Zone_name varchar(10)
);
```

2.Created the details of the clients in **client_details** table:

```sql
create table clients_details
(
client_id int primary key,
client_name varchar(30),
gender varchar(10),
Zone_id int,
constraint fk_zone_id foreign key(Zone_id) references Zone_wise(Zone_id),
Region_id int,
constraint fk_client_regionId foreign key(Region_id) references Region_wise(Region_id),
club_id int,
constraint fk_clubId foreign key(club_id) references Client_club(club_id)
);
```

3.Created the information about the Employee in **Employee_details** table:

```
56 •  create table Employee_details
57    (
58    Employee_id int primary key,
59    First_name varchar(30) not null,
60    Last_name varchar(30),
61    email_id varchar(40),
62    salary int,
63    mobile_no int,
64    Role int,
65    job_desc varchar(30),
66    Zone_id int,
67    constraint fk_zoneId foreign key(Zone_id) references Zone_wise(Zone_id),
68    Region_id int,
69    constraint fk_employee_regionId foreign key(Region_id) references Region_wise(Region_id),
70    client_id int,
71    constraint fk_clientId foreign key(client_id) references clients_details(client_id)
72    );
```

I have created all the tables and columns in it with data types and I have used the constraint like primary key, foreign key, not null, check constraint.

4. Inserting values into the tables:

A.**Zone_wise** table:

```
80 •  insert into Zone_wise values(1,'south');
81 •  insert into Zone_wise values(2,'north');
82 •  insert into Zone_wise values(3,'west');
83 •  insert into Zone_wise values(4,'east');
```

B.**Client_club** table:

```
103 •  insert into client_club values(100,'Gold Club');
104 •  insert into client_club values(101,'Rising Club');
105 •  insert into client_club values(102,'Platinum Club');
106 •  insert into client_club values(103,'Silver Club');
107 •  insert into client_club values(104,'Diamond Club');
```

C.**Region_wise** table:

```
insert into Region_wise values(10,'Bengaluru');
insert into Region_wise values(11,'Chennai');
insert into Region_wise values(12,'Kerala');
insert into Region_wise values(13,'Rest of Tamilnadu');
insert into Region_wise values(14,'Rest of Karnataka');
insert into Region_wise values(15,'TSAP');
insert into Region_wise values(20,'Uttar Pradesh');
insert into Region_wise values(21,'Jammu and Kashmir');
insert into Region_wise values(22,'Himachal Pradesh');
insert into Region_wise values(30,'Maharashtra');
insert into Region_wise values(31,'Gujarat');
insert into Region_wise values(32,'Goa');
insert into Region_wise values(33,'Rajasthan');
insert into Region_wise values(40,'West Bengal');
insert into Region_wise values(41,'Odisha');
insert into Region_wise values(42,'Bihar');
```

D.**User_details** table:

```
insert into user_details values(3000,'sandhiya','MRF',9090909,null,35,1,12);
insert into user_details values(3001,'balaji','reliance trends',9060909,null,40,3,32);
insert into user_details values(3002,'sethuramalingam','peter england',9090509,null,55,1,10);
insert into user_details values(3003,'vijay','ramaraj',9094909,null,45,2,20);
insert into user_details values(3004,'radhakrishnan','rk hospital',9097909,null,42,4,41);
insert into user_details values(3005,'raghul','sathya lab',9090309,null,33,1,11);
insert into user_details values(3006,'aryan','aryan supermarket',9093409,null,29,2,20);
insert into user_details values(3007,'arjun','psr',90956709,null,37,3,30);
```

E.**Client_details** table:

```
insert into clients_details values(2000,'Mother tech','male',1,13,101,3000);
insert into clients_details values(2001,'Yennes infotech','male',2,21,100,3003);
insert into clients_details values(2002,'Prompt software','female',4,40,102,3002);
insert into clients_details values(2003,'ACE','male',3,31,101,3001);
insert into clients_details values(2004,'Infotech solutions','female',2,20,102,3004);
insert into clients_details values(2005,'Real solutions','female',1,13,103,3007);
insert into clients_details values(2006,'BG academy','male',4,41,100,3005);
insert into clients_details values(2007,'Global information','female',3,30,101,3006);
```

F.**Employee_details** table:

```
110 • insert into employee_details values(1000,'Balaji','sethuramalingam','balaaz85@gmail.com',1000000,'RSM','Sales',1,11,null);
111 • insert into employee_details values(1001,'Bharath','Raghavan','bharath@gmail.com',700000,'BM','Sales',1,10,2007);
112 • insert into employee_details values(1002,'Sangeeth','Thomas','sangeeth@gmail.com',900000,'Analyst','IT',2,21,null);
113 • insert into employee_details values(1003,'Prakash', 'Karthik','prakash@gmail.com',900000,'BM','Sales',4,40,2004);
114 • insert into employee_details values(1004,'Balaji','Gurrampati','balaji@gmail.com',1500000,'RSM','Sales',3,31,2000);
115 • insert into employee_details values(1005,'Previn','Lobo','previn@gmail.com',1200000,'BM','Sales',1,12,2002);
116 • insert into employee_details values(1006,'Rohit','Mishra','rohit@gmail.com',600000,'manager','HR',2,22,null);
117 • insert into employee_details values(1007,'Rolf', 'Dsilva','rolf@gmail.com',1300000,'RSM','SALES',2,21,2001);
118 • insert into employee_details values(1008,'Arun','Kumar','arun@gmail.com',800000,'Analyst','IT',3,32,null);
119 • insert into employee_details values(1009,'Anil','Geeda','anil@gmail.com',6500000,'manager','HR',1,11,null);
120 • insert into employee_details values(1010,'Manoj','Aravind E','manoj@gmail.com',1150000,'RSM','Sales',4,40,2005);
121 • insert into employee_details values(1011,'Dinesh','Lal','dinesh@gmail.com',1400000,'developer','IT',2,22,null);
122 • insert into employee_details values(1012,'Naresh','Pullela','naresh@gmail.com',1450000,'RSM','Sales',4,41,2006);
123 • insert into employee_details values(1013,'Ravi','Talikot','ravi@gmail.com',1370000,'manager','HR',2,20,null);
124 • insert into employee_details values(1014,'Franklin D',null,'frankin@gmail.com',670000,'developer','IT',3,31,null);
125 • insert into employee_details values(1015,'Mishael','Jose','mishael@gmail.com',300070,'RSM','Sales',1,13,2007);
126 • insert into employee_details values(1016,'Ashish','Chandele','ashish@gmail.com',7500000,'senior manager','HR',1,12,null);
127 • insert into employee_details values(1017,'Shankar G','Patil','shankerg@gmail.com',1200000,'Analyst','IT',3,30,null);
128 • insert into employee_details values(1018,'Manikanta','Kasireddy','manikanta@gmail.com',1100000,'BM','Sales',2,21,2003);
129 • insert into employee_details values(1019,'Ravindra Babu','Adapala','ravindra@gmail.com',1600000,'RSM','Sales',1,12,2000);
130 • insert into employee_details values(1020,'Nazrana','Shaik','nazrana@gmail.com',1050000,'CAM','Sales',2,21,2003);
```

5.Update the employee last_name ‘leo’ whose employee id=1014?

```
UPDATE employee_details
set last_name='Leo'
where employee_id=1014;
```

**Output:**

| | Employee_id | First_name | Last_name | email_id | salary | role | job_desc | Zone_id | Region_id | client_id |
|---|---|---|---|---|---|---|---|---|---|---|
| ▶ | 1014 | Franklin D | Leo | frankin@gmail.com | 670000 | developer | IT | 3 | 31 | NULL |
| * | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

6.Retrieve the employee_id and employee full name from employee_details table?

```
156 •  select Employee_id,concat(First_name,' ',Last_name)
157    from employee_details;
```

**Output:**I have used concat function to merge two columns by giving space between first_name and last_name.

| | Employee_id | concat(First_name,' ',Last_name) |
|---|---|---|
| ▶ | 1000 | Balaji sethuramalingam |
| | 1001 | Bharath Raghavan |
| | 1002 | Sangeeth Thomas |

7.Retrieve the employee_id and employee full name from employee_details table?

```
156 •  select Employee_id,concat(First_name,' ',Last_name) as full_name
157    from employee_details;
```

**Output:** I merged two columns and named full_name using **as** function.

| Employee_id | full_name |
|---|---|
| 1000 | Balaji sethuramalingam |
| 1001 | Bharath Raghavan |
| 1002 | Sangeeth Thomas |

8.Fetch the distinct job_desc using employee_details table?

```
159 •  select distinct job_desc
160    from employee_details;
```

**Output:**i have fetched the unique job_desc using **distinct** function

| job_desc |
|---|
| Sales |
| IT |
| HR |

9.Count the number of employees working in a company?

```
162 •  select count(*)
163    from employee_details;
```

**Output:** I have counted the total no of employees using **count(*).**

| count(*) |
|---|
| 21 |

10.Retrive the employees who is getting salary above 1000000?

```
165 •  select * from employee_details
166    where salary>1000000;
```

**Output:**Getting the salary above 1000000.

| Employee_id | First_name | Last_name | email_id | salary | role | job_desc | Zone_id | Region_id | client_id |
|---|---|---|---|---|---|---|---|---|---|
| 1004 | Balaji | Gurrampati | balaji@gmail.com | 1500000 | RSM | Sales | 3 | 31 | 2000 |
| 1005 | Previn | Lobo | previn@gmail.com | 1200000 | BM | Sales | 1 | 12 | 2002 |
| 1007 | Rolf | Dsilva | rolf@gmail.com | 1300000 | RSM | SALES | 2 | 21 | 2001 |
| 1009 | Anil | Geeda | anil@gmail.com | 6500000 | manager | HR | 1 | 11 | NULL |
| 1010 | Manoj | Aravind E | manoj@gmail.com | 1150000 | RSM | Sales | 4 | 40 | 2005 |

11.Retrive the employees who is getting salary below 1000000?

```
168 •  select * from employee_details
169    where salary < 1000000;
```

**Output**:Getting the salary below 1000000.

| Employee_id | First_name | Last_name | email_id | salary | role | job_desc | Zone_id | Region_id | client_id |
|---|---|---|---|---|---|---|---|---|---|
| 1001 | Bharath | Raghavan | bharath@gmail.com | 700000 | BM | Sales | 1 | 10 | 2007 |
| 1002 | Sangeeth | Thomas | sangeeth@gmail.com | 900000 | Analyst | IT | 2 | 21 | NULL |
| 1003 | Prakash | Karthik | prakash@gmail.com | 900000 | BM | Sales | 4 | 40 | 2004 |

12..Retrive the employees who is getting salary between 1000000 and 1500000 ?

```
171 •   select * from employee_details
172     where salary between 1000000 and 1500000;
```

**Output:**Getting the salary between 1000000 and 1500000 including both values.

| Employee_id | First_name | Last_name | email_id | salary | role | job_desc | Zone_id | Region_id | client_id |
|---|---|---|---|---|---|---|---|---|---|
| 1000 | Balaji | sethuramalingam | balaaz85@gmail.com | 1000000 | RSM | Sales | 1 | 11 | NULL |
| 1004 | Balaji | Gurrampati | balaji@gmail.com | 1500000 | RSM | Sales | 3 | 31 | 2000 |
| 1005 | Previn | Lobo | previn@gmail.com | 1200000 | BM | Sales | 1 | 12 | 2002 |
| 1007 | Rolf | Dsilva | rolf@gmail.com | 1300000 | RSM | SALES | 2 | 21 | 2001 |

13.Fetch the employees whose role is analyst?

```
174 •   select employee_id,role
175     from employee_details
176     where role='analyst';
```

**Output:**

| employee_id | role |
|---|---|
| 1002 | Analyst |
| 1008 | Analyst |
| 1017 | Analyst |

14.Return the list of employees with the following last names:(sethuramalingam,Mishra,Aravind E)?

```
178 •   select * from employee_details
179     where Last_name in ('sethuramalingam','Mishra','Aravind E');
```

**Output:**

| Employee_id | First_name | Last_name | email_id | salary | role | job_desc | Zone_id | Region_id | client_id |
|---|---|---|---|---|---|---|---|---|---|
| 1000 | Balaji | sethuramalingam | balaaz85@gmail.com | 1000000 | RSM | Sales | 1 | 11 | NULL |
| 1006 | Rohit | Mishra | rohit@gmail.com | 600000 | manager | HR | 2 | 22 | NULL |
| 1010 | Manoj | Aravind E | manoj@gmail.com | 1150000 | RSM | Sales | 4 | 40 | 2005 |
| NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

15.Return the list of clients except those with the client_id : (2003,2005,2007)?

```
181 •   select * from clients_details
182     where client_id not in (2003,2005,2007);
```

Output:

| client_id | client_name | gender | Zone_id | Region_id | club_id | user_id |
|---|---|---|---|---|---|---|
| 2000 | Mother tech | male | 1 | 13 | 101 | 3000 |
| 2001 | Yennes infotech | male | 2 | 21 | 100 | 3003 |
| 2002 | Prompt software | female | 4 | 40 | 102 | 3002 |
| 2004 | Infotech solutions | female | 2 | 20 | 102 | 3004 |

16.Write the query to find the clients_details are **null** in employee_details table?

```
184 •   select * from employee_details
185     where client_id is null;
```

**Output:**

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

| Employee_id | First_name | Last_name | email_id | salary | role | job_desc | Zone_id | Region_id | client_id |
|---|---|---|---|---|---|---|---|---|---|
| 1000 | Balaji | sethuramalingam | balaaz85@gmail.com | 1000000 | RSM | Sales | 1 | 11 | NULL |
| 1002 | Sangeeth | Thomas | sangeeth@gmail.com | 900000 | Analyst | IT | 2 | 21 | NULL |
| 1006 | Rohit | Mishra | rohit@gmail.com | 600000 | manager | HR | 2 | 22 | NULL |
| 1008 | Arun | Kumar | arun@gmail.com | 800000 | Analyst | IT | 3 | 32 | NULL |

17.Write the query to find the clients_details are not null in employee_details table?

```
187 •   select employee_id,role,job_desc,client_id
188     from employee_details
189     where client_id is not null;
```

**Output:**

| employee_id | role | job_desc | client_id |
|---|---|---|---|
| 1004 | RSM | Sales | 2000 |
| 1019 | RSM | Sales | 2000 |
| 1007 | RSM | SALES | 2001 |
| 1005 | BM | Sales | 2002 |
| 1018 | BM | Sales | 2003 |
| 1020 | CAM | Sales | 2003 |
| 1003 | BM | Sales | 2004 |
| 1010 | RSM | Sales | 2005 |

18.Retrieve the list of employees whose salary is greater than 100000 and job description is sales?

```
191 •   select * from employee_details
192     where salary >1000000 and job_desc ='sales';
```

**Output:** I have fetched the output by using AND function both the condition are satisfied.

| Employee_id | First_name | Last_name | email_id | salary | role | job_desc | Zone_id | Region_id | client_id |
|---|---|---|---|---|---|---|---|---|---|
| 1004 | Balaji | Gurrampati | balaji@gmail.com | 1500000 | RSM | Sales | 3 | 31 | 2000 |
| 1005 | Previn | Lobo | previn@gmail.com | 1200000 | BM | Sales | 1 | 12 | 2002 |
| 1007 | Rolf | Dsilva | rolf@gmail.com | 1300000 | RSM | SALES | 2 | 21 | 2001 |
| 1010 | Manoj | Aravind E | manoj@gmail.com | 1150000 | RSM | Sales | 4 | 40 | 2005 |
| 1012 | Naresh | Pullela | naresh@gmail.com | 1450000 | RSM | Sales | 4 | 41 | 2006 |
| 1018 | Manikanta | Kasireddy | manikanta@gmail.com | 1100000 | BM | Sales | 2 | 21 | 2003 |
| 1019 | Ravindra Babu | Adapala | ravindra@gmail.com | 1600000 | RSM | Sales | 1 | 12 | 2000 |
| 1020 | Nazrana | Shaik | nazrana@gmail.com | 1050000 | CAM | Sales | 2 | 21 | 2003 |

19.Retrieve the list of employees whose salary is less than 650000 or role is BM?

```
194 •   select * from employee_details
195     where salary <650000 or role ='BM';
```

**Output:**I have fetched the output by using OR function any one condition is satisfied.

| Employee_id | First_name | Last_name | email_id | salary | role | job_desc | Zone_id | Region_id | client_id |
|---|---|---|---|---|---|---|---|---|---|
| 1001 | Bharath | Raghavan | bharath@gmail.com | 700000 | BM | Sales | 1 | 10 | 2007 |
| 1003 | Prakash | Karthik | prakash@gmail.com | 900000 | BM | Sales | 4 | 40 | 2004 |
| 1005 | Previn | Lobo | previn@gmail.com | 1200000 | BM | Sales | 1 | 12 | 2002 |
| 1006 | Rohit | Mishra | rohit@gmail.com | 600000 | manager | HR | 2 | 22 | NULL |
| 1015 | Mishael | Jose | mishael@gmail.com | 300070 | RSM | Sales | 1 | 13 | 2007 |
| 1018 | Manikanta | Kasireddy | manikanta@gmail.com | 1100000 | BM | Sales | 2 | 21 | 2003 |
| NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

20.Write the query to fetch the employee_id,first_name,role,job_desc of the employees order by descending ?

```
197 •   select employee_id,first_name,role,job_des
198     from employee_details
199     order by first_name desc;
```

**Output:**

| employee_id | first_name | role | job_desc |
|---|---|---|---|
| 1017 | Shankar G | Analyst | IT |
| 1002 | Sangeeth | Analyst | IT |
| 1007 | Rolf | RSM | SALES |
| 1006 | Rohit | manager | HR |
| 1019 | Ravindra Babu | RSM | Sales |
| 1013 | Ravi | manager | HR |
| 1005 | Previn | BM | Sales |
| 1003 | Prakash | BM | Sales |

21.Find all the client name from the client table where client name have ‘solutions’ in it?

```
201 •   select client_id,client_name
202     from clients_details
203     where client_name like '%solutions';
```

**Output:**

| client_id | client_name |
|---|---|
| 2004 | Infotech solutions |
| 2005 | Real solutions |
| NULL | NULL |

22.I want all the employee first name in upper case and last name in lower case…

```
205 •   select upper(first_name),lower(last_name)
206     from employee_details;
```

**Output:**

| upper(first_name) | lower(last_name) |
|---|---|
| BALAJI | sethuramalingam |
| BHARATH | raghavan |
| SANGEETH | thomas |
| PRAKASH | karthik |
| BALAJI | gurrampati |
| PREVIN | lobo |

23.Find the length of the client name in client table?

```
208 •   select length(client_name) as total_length
209     from clients_details;
```

**Output:**

| total_length |
|---|
| 11 |
| 15 |
| 15 |
| 3 |
| 18 |
| 14 |

24.Who is getting maximum salary in each job description?

```
211 •   select job_desc,max(salary)
212     from employee_details
213     group by job_desc;
```

**Output:**

| job_desc | max(salary) |
|---|---|
| Sales | 1600000 |
| IT | 1400000 |
| HR | 7500000 |

25.List the first name of the employee occurs more than once in the employee table….

```
217 •   SELECT first_name
218     FROM employee_details
219     GROUP BY first_name
220     HAVING COUNT(first_name) > 1;
```

**Output:**

| first_name |
|---|
| Balaji |

26.Split the salary:
A.greater than 1500000 as ‘veryhigh’
B.between 1000000 and 1500000 as ‘high’
C.between 7500000 and 1000000 as ‘medium’
D.between 5000000 and 7500000 as ‘average’ else ‘low’

```sql
select employee_id,salary,
case
when salary > 1500000 then 'VERY HIGH'
when salary > 1000000 and salary <= 1500000 then 'HIGH'
when salary >= 7500000 and salary < 1000000 then 'MEDIUM'
when salary > 500000 and salary < 7500000 then 'AVERAGE'
ELSE 'LOW'
END AS salary_status
from employee_details;
```

**Output:**

| employee_id | salary | salary_status |
|---|---|---|
| 1006 | 600000 | AVERAGE |
| 1007 | 1300000 | HIGH |
| 1008 | 800000 | AVERAGE |
| 1009 | 6500000 | VERY HIGH |
| 1010 | 1150000 | HIGH |

27.Show client id, client name and club name of each client.Order by client name ascending.

```sql
select
c.client_id,c.client_name,club.club_name
from clients_details c
join client_club club
on c.club_id=club.club_id
order by client_name;
```

**Output:**

| client_id | client_name | club_name |
|---|---|---|
| 2003 | ACE | Rising Club |
| 2006 | BG academy | Gold Club |
| 2007 | Global information | Rising Club |
| 2004 | Infotech solutions | Platinum Club |
| 2000 | Mother tech | Rising Club |
| 2002 | Prompt software | Platinum Club |
| 2005 | Real solutions | Silver Club |
| 2001 | Yennes infotech | Gold Club |

28.Get the employee id,first name,job description,role,zone name and region name from employee table zone table and region table?

```sql
select
e.Employee_id,
e.first_name,
e.job_desc,
e.role,
z.zone_name,
r.region_name
from employee_details e
join zone_wise z
on e.zone_id=z.zone_id
join region_wise r
on e.region_id=r.region_id;
```

**Output:**

| Employee_id | first_name | job_desc | role | zone_name | region_name |
|---|---|---|---|---|---|
| 1000 | Balaji | Sales | RSM | south | Chennai |
| 1001 | Bharath | Sales | BM | south | Bengaluru |
| 1005 | Previn | Sales | BM | south | Kerala |
| 1009 | Anil | HR | manager | south | Chennai |
| 1015 | Mishael | Sales | RSM | south | Rest of Tamilnadu |
| 1016 | Ashish | HR | senior manager | south | Kerala |
| 1019 | Ravindra Babu | Sales | RSM | south | Kerala |
| 1002 | Sangeeth | IT | Analyst | north | Jammu and Kashmir |
| 1006 | Rohit | HR | manager | north | Himachal Pradesh |
| 1007 | Rolf | SALES | RSM | north | Jammu and Kashmir |
| 1011 | Dinesh | IT | developer | north | Himachal Pradesh |

29.Write a query to sum of the salary ,rank,row number using window functioning group by job_desc, order by job_desc and rank ascending?

```sql
select employee_id,first_name,salary,job_desc,
sum(salary)over(partition by job_desc)as sum,
rank() over(order by salary desc) as rnk,
row_number()over() as row_id
from employee_details
order by job_desc,rnk ;
```

**Output:**

| employee_id | first_name | salary | job_desc | sum | rnk | row_id |
|---|---|---|---|---|---|---|
| 1016 | Ashish | 7500000 | HR | 15970000 | 1 | 1 |
| 1009 | Anil | 6500000 | HR | 15970000 | 2 | 2 |
| 1013 | Ravi | 1370000 | HR | 15970000 | 7 | 7 |
| 1006 | Rohit | 600000 | HR | 15970000 | 20 | 20 |
| 1011 | Dinesh | 1400000 | IT | 4970000 | 6 | 6 |
| 1017 | Shankar G | 1200000 | IT | 4970000 | 9 | 9 |
| 1002 | Sangeeth | 900000 | IT | 4970000 | 15 | 15 |
| 1008 | Arun | 800000 | IT | 4970000 | 17 | 17 |
| 1014 | Franklin D | 670000 | IT | 4970000 | 19 | 19 |
| 1019 | Ravindra Babu | 1600000 | Sales | 13250070 | 3 | 3 |
| 1004 | Balaji | 1500000 | Sales | 13250070 | 4 | 4 |

30.Write the query to get the details of the employee who is getting maximum salary?

```
select * from employee_details
where salary =
(select max(salary) from employee_details);
```

**Output:**

| Employee_id | First_name | Last_name | email_id | salary | role | job_desc | Zone_id | Region_id | client_id |
|---|---|---|---|---|---|---|---|---|---|
| 1016 | Ashish | Chandele | ashish@gmail.com | 7500000 | senior manager | HR | 1 | 12 | NULL |
| NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

31.Create a view to show the employees working in zone and region wise..

```
create view emp_view
as
select
e.Employee_id,
e.first_name,
e.job_desc,
e.role,
z.zone_name,
r.region_name
from employee_details e
join zone_wise z
on e.zone_id=z.zone_id
join region_wise r
on e.region_id=r.region_id;
```

**Output:** View has created.