Concert AI Interview Questions

# Round 1

## Interviewers

## Himanshu & Mallesh

1. Introduce about yourself with project
2. What are indexes?
3. What are the different types of indexes?
4. How many indexes can be created on a table?
5. What analytical functions have you used?
6. What is ROW\_NUMBER (), RANK () and DENSE\_RANK ()?

| **ID** | **Salary(lakhs)** | **Dept** |
| --- | --- | --- |
| 1 | 25 | ABC |
| 2 | 9 | ABC |
| 3 | 12 | DEF |
| 4 | 5 | DEF |
| 5 | 7 | ABC |
| 6 | 21 | DEF |
| 7 | 19 | DEF |
| 8 | 6 | ABC |

1. Query to display Maximum salary from each department
2. Query to display which department spends the most on salary

| Student |  |
| --- | --- |
| ID | MARKS |
| 1 | 99 |
| 2 | 80 |
| 3 | 55 |
| 4 | 20 |
| 5 | 35 |
| Grade |  |  |
| Min | Max | Grade |
| 0 | 20 | E |
| 21 | 40 | D |
| 41 | 60 | C |
| 61 | 80 | B |
| 81 | 100 | A |

1. Write a query to display the grade for Student ID based on marks obtained by referencing the grade table
2. On the scale of 1 – 10 how would you rate yourself in writing and analysing complex SQL Queries
3. Why did you come back from Australia?
4. Where do you stay in Bangalore?

# Round 2

## Interviewer

## Srinivasan

1. Explain your Job roles and responsibilities at previous organisations
2. Explain 1NF, 2NF and 3NF
3. How would you differentiate between 1NF, 2NF, 3NF?
4. How would you convert 1NF to 2NF and 2NF to 3NF?
5. We have employee table with columns f\_nm, l\_nm, city which may have more than one unique record or may have duplicate records, write a query to retain one unique value and delete the remaining duplicates.
6. Write a query to find the top 5 high value customers based on age from the following tables

| **Customer Table** |
| --- |
| Cust\_id |
| Name |
| Age |
| Gender |
| D\_O\_B |
| Address |
| Email |
| Phone |
| **Transaction Table** |
| Txn\_id |
| Txn\_dt |
| Prod\_id |
| Prod\_desc |
| Qty |
| Unit\_Price |
| Cust\_id |

1. Do you have any questions regarding the type of work that you’ll be doing here?
2. Where do you stay in Bangalore?