**Interview Questions**

**1)Write a SQL query to find the second highest salary from the table emp. (Column name – id, salary)?**

select max(salary) from emp

where salary<(select max(salary) from emp);

**2) Write a SQL query to find the numbers which consecutively occurs 3 times. (Column name – id, numbers)?**

select numbers,count(numbers) from num

group by numbers

having count(numbers)=3;

**3) Write a SQL query to find the days when temperature was higher than its previous dates. (Column name – Days, Temp)?**

SELECT Days,Temp

FROM (

SELECT Days, Temp, lag(Temp) OVER ( ORDER BY Days) AS PreviousTemp

FROM climate

) AS w

WHERE Temp > PreviousTemp;

**4) Write a SQL query to delete Duplicate rows in a table?**

select distinct(numbers) from num

where numbers<=1;

**5) Write a SQL query to display year on year growth for each product. (Column name – transaction\_id, Product\_id, transaction\_date, spend). Output will have year, product\_id & yoy\_growth?**

select Product\_id,Transaction\_date as year,spend,

(spend-lag(spend,1) over(partition by Product\_id order by Transaction\_date)) as yoy\_growth

from Factory;