Create a employee table with attribute

Emp_id
first_name
last_name
Gender
Date_of_birth
Date_of_joining
Designation
Salary
Manager
Department

Q1. SQL Query to find second highest salary of Employee

Question 2: SQL Query to find Max Salary from each department.

Question 3: Write SQL Query to display the current date.

Question 4: Write an SQL Query to check whether date passed to Query is the date of given format or not.

Question 5: Write an SQL Query to print the name of the distinct employee whose DOB is between 01/01/1960 to 31/12/1975.

Question 6: Write an SQL Query find number of employees according to gender whose DOB is between 01/01/1960 to 31/12/1975.

Question 7: Write an SQL Query to find an employee whose Salary is equal or greater than 10000.

Question 8: Write an SQL Query to find name of employee whose name Start with 'M'

Question 9: find all Employee records containing the word "niki", regardless of whether it was stored as JOE, Joe, or joe.

Question 10: Write an SQL Query to find the year from date.

Question 11: Write SQL Query to find duplicate rows in a database? and then write SQL query to delete them?

Question 12 :How do you find all employees which are also manager? .

Question 13: You have a composite index of three columns, and you only provide the value of two columns in WHERE clause of a select query? Will Index be used for this operation?

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Table - EmployeeDetails

EmpId	FullName	ManagerId	DateOfJoining
121	John Snow	321	01/31/2014
321	Walter White	986	01/30/2015
421	Kuldeep Rana	876	27/11/2016

Table - EmployeeSalary

EmpId	Project	Salary
121	P1	8000
321	P2	1000
421	P1	12000

Ques.1. Write a SQL query to fetch the count of employees working in project 'P1'.

Ques.2. Write a SQL query to fetch employee names having salary greater than or equal to 5000 and less than or equal 10000.

Ques.3. Write a SQL query to fetch project-wise count of employees sorted by project's count in descending order.

Ques.4. Write a query to fetch only the first name(string before space) from the FullName column of EmployeeDetails table.

Ques.5. Write a query to fetch employee names and salary records. Return employee details even if the salary record is not present for the employee.

Ques.6. Write a SQL query to fetch all the Employees who are also managers from EmployeeDetails table.

Ques.7. Write a SQL query to fetch all employee records from EmployeeDetails

table who have a salary record in EmployeeSalary table.

Ques.8. Write a SQL query to fetch duplicate records from a table.

Ques.9. Write a SQL query to remove duplicates from a table without using temporary table.

Ques.10. Write a SQL query to fetch only odd rows from table.

Ques.11. Write a SQL query to fetch only even rows from table.

Ques.12. Write a SQL query to create a new table with data and structure copied from another table.

Ques.13. Write a SQL query to create an empty table with same structure as some other table.

Ques.14. Write a SQL query to fetch common records between two tables.

Ques.15. Write a SQL query to fetch records that are present in one table but not in another table.

Ques.16. Write a SQL query to find current date-time.

Ques.17. Write a SQL query to fetch all the Employees details from EmployeeDetails table who joined in Year 2016.

Ques.18. Write a SQL query to fetch top n records?

Ques.19. Write SQL query to find the nth highest salary from table.

Ques.20. Write SQL query to find the 3rd highest salary from table without using TOP/limit keyword.

Table Name : Employee

Employee_id	First_name	Last_name	Salary	Joining_date	Department

1	John	Abraham	1000000	01-JAN-13 12.00.00 AM	Banking
2	Michael	Clarke	800000	01-JAN-13 12.00.00 AM	Insurance
3	Roy	Thomas	700000	01-FEB-13 12.00.00 AM	Banking
4	Tom	Jose	600000	01-FEB-13 12.00.00 AM	Insurance
5	Jerry	Pinto	650000	01-FEB-13 12.00.00 AM	Insurance
6	Philip	Mathew	750000	01-JAN-13 12.00.00 AM	Services
7	TestName1	123	650000	01-JAN-13 12.00.00 AM	Services
8	TestName2	Lname%	600000	01-FEB-13 12.00.00 AM	Insurance

Table Name : Incentives

Employee_ref_id	Incentive_date	Incentive_amount
1	01-FEB-13	5000
2	01-FEB-13	3000
3	01-FEB-13	4000
1	01-JAN-13	4500
2	01-JAN-13	3500

1. **Get First_Name from employee table using alias name “Employee Name”**

2. **Get First_Name from employee table in upper case**

3. **Select first 3 characters of FIRST_NAME from EMPLOYEE**

4. **Get position of 'o' in name 'John' from employee table**

5.**Get FIRST_NAME from employee table after removing white spaces from right side**

6.Get length of FIRST_NAME from employee table

7.**Get First_Name from employee table after replacing 'o' with '$'**

8. Get First_Name and Last_Name as single column from employee table separated by a '_'

9. **Get all employee details from the employee table order by First_Name Ascending and Salary descending**

10. **Get employee details from employee table whose employee name are not “John” and “Roy”**

11. **Get employee details from employee table whose name is 'John' and 'Michael'**

12. G**et employee details from employee table whose joining month is “January”**

13 **Get difference between JOINING_DATE and INCENTIVE_DATE from employee and incentives table**

14 **Get department,total salary with respect to a department from employee table.**

15 . **Get department wise maximum salary from employee table order by salary ascending**

16. **Select no of employees joined with respect to year and month from employee table**

17. **Select 20 % of salary from John , 10% of Salary for Roy and for other 15 % of salary from employee table**

18. **Select first_name, incentive amount from employee and incentives table for those employees who have incentives**

19. **Select first_name, incentive amount from employee and incentives table for all employees even if they didn't get incentives and set incentive amount as 0 for those employees who didn't get incentives.**

20. **Select first_name, incentive amount from employee and incentives table for all employees who got incentives using left join**

21. **Select max incentive with respect to employee from employee and incentives table using sub query**

22. **Select TOP N salary from employee table**

23. **Select Nth Highest salary from employee table**

24. **Write Sql syntax to create Oracle Trigger before insert of each row in**

employee table

Sample Table – Worker

WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
001	Monika	Arora	100000	2014-02-20 09:00:00	HR
002	Niharika	Verma	80000	2014-06-11 09:00:00	Admin
003	Vishal	Singhal	300000	2014-02-20 09:00:00	HR
004	Amitabh	Singh	500000	2014-02-20 09:00:00	Admin
005	Vivek	Bhati	500000	2014-06-11 09:00:00	Admin
006	Vipul	Diwan	200000	2014-06-11 09:00:00	Account
007	Satish	Kumar	75000	2014-01-20 09:00:00	Account
008	Geetika	Chauhan	90000	2014-04-11 09:00:00	Admin

Sample Table – Bonus

WORKER_REF_ID	BONUS_DATE	BONUS_AMOUNT
1	2016-02-20 00:00:00	5000
2	2016-06-11 00:00:00	3000
3	2016-02-20 00:00:00	4000
1	2016-02-20 00:00:00	4500
2	2016-06-11 00:00:00	3500

Sample Table – Title

WORKER_REF_ID	WORKER_TITLE	AFFECTED_FROM
1	Manager	2016-02-20 00:00:00
2	Executive	2016-06-11 00:00:00
8	Executive	2016-06-11 00:00:00
5	Manager	2016-06-11 00:00:00
4	Asst. Manager	2016-06-11 00:00:00
7	Executive	2016-06-11 00:00:00
6	Lead	2016-06-11 00:00:00
3	Lead	2016-06-11 00:00:00

Write An SQL Query To Print First Three Characters Of FIRST_NAME From Worker Table.

Write An SQL Query To Find The Position Of The Alphabet (‘A’) In The First Name Column ‘Amitabh’ From Worker Table.

Write An SQL Query To Fetch Worker Names With Salaries >= 50000 And <= 100000.

Write An SQL Query To Print Details Of The Workers Who Are Also Managers.

Write An SQL Query To Fetch Duplicate Records Having Matching Data In Some Fields Of A Table.

Write An SQL Query To Show Only Even Rows From A Table.

Write An SQL Query To Fetch The List Of Employees With The Same Salary.

Write An SQL Query To Show One Row Twice In Results From A Table

Write An SQL Query To Fetch The First 50% Records From A Table.

Write An SQL Query To Fetch The Departments That Have Less Than Five People In It.

Write An SQL Query To Fetch The Last Five Records From A Table.

Write An SQL Query To Print The Name Of Employees Having The Highest Salary In Each Department.

Stored Procedure:

1.

Create A Table For Event_managemnet

Take Attribute As Event_id(int), Event_name Varchar(100), Event_Deatils Varchar, Event_date Date

Insert Few Relevant Date In The Table.

The exercise is to create a stored procedure called **uspAugustEvents** which will show all events that occurred in the month of August:

2. Create Two Tables Author And Episode ,

Author Table Attributes Are

Author_id

Author_name

Episode Table Attributes Are

Episode_id

Series_number

Episode_Number

Episode_date

Title

Author_Id

Using the **Author** and **Episode** tables, create a stored procedure called **CID** to list out the episodes_ number written by **written by author**

“Daya”(Daya will be the author_name in author table) in date order (with the most recent first).

3. Using the **Author** and **Episode** tables, create a stored procedure called **CID_Latest** to list out the episodes_ number that is being telecasted recently **according to** date (with the most recent first).

Stored Function

1. Create a student table where attribute is

student_id

student_name

student_age

student_marks

Write a stored function that shows the usage of WHILE loop to calculate the average marks of students?

2. Create a employee, bank table where attribute is

Employee:

emp_id

emp_name

emp_sal

emp_acc

Bank:

Bank_id

emp_id

Available_balance

Write a stored function that shows to calculate the available_balance and emp_id of employee?
