SQL Interview Revision

Employee Table

USE [InterviewQuestions]

GO

/\*\*\*\*\*\* Object: Table [dbo].[Department] Script Date: 01/24/2019 17:48:10 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

SET ANSI\_PADDING ON

GO

CREATE TABLE [dbo].[Department](

[Department\_ID] [int] NOT NULL,

[Name] [varchar](50) NULL,

[Location] [varchar](100) NULL,

PRIMARY KEY CLUSTERED

(

[Department\_ID] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]

) ON [PRIMARY]

GO

SET ANSI\_PADDING OFF

GO

**Department**



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**Simple Question**

1. **Display all the Employees who are getting 35000 and excess salaries in department 20**
2. **Display all the Managers working in 20 & 30 department.**
3. **Display all the Managers who don’t have a Manager**
4. **Display all the employees who are getting some commission with their designation is neither MANANGER nor SENIOR ANALYST**
5. **Display all the JUNIOR ANALYST whose name doesn’t ends with ‘S’**
6. **Display all the Employees whose naming is having letter ‘E’ as the last but one character**
7. **Display all the employees who total salary is more than 60000.**
8. **Display all the employees who are getting some commission in department 30 & 40.**
9. **Display all the managers whose name doesn’t start with A & S**
10. **Display all the employees who earning salary not in the range of 25000 and 50000 in department 10 & 20**

**Answer**

* *select \* from Employee where Salary>35000 and Department\_ID=20*
* *select \* from employee where department\_id in (20,30) and job = 'Manager'*
* *select \* from Employee where Job='manager' and Manager\_ID is null*
* *select \* from Employee where Job not in('MANANGER','SENIOR ANALYST') and Commission is not null and Commission>0*
* *select \* from Employee where Job='JUNIOR ANALYST' and Employee\_Name not like '%s'*
* *select \* from Employee where Employee\_Name like '%E\_'*
* *SELECT EMPLOYEE\_NAME, SALARY, COMMISSION, JOB, (SALARY + COMMISSION) AS 'TOTAL SALARY > 60K' FROM EMPLOYEE WHERE (SALARY + COMMISSION) > 60000*
* *select \* from Employee where Commission>0 and department\_id in(30,40)*
* *select \* from Employee where Job='Manager' and Employee\_Name not like ('A%') and Employee\_Name not like('S%')*
* *select \* from Employee where Department\_ID in(10,20) and Salary between 25000 and 50000*

**Complex Question**

1. **Fetch All Records of Employee Table with Row ID.**
2. **Fetch ALTERNATE records from Employee Table. (EVEN NUMBERED)**
3. **Fetch ALTERNATE records from Employee Table. (ODD NUMBERED)**
4. **Find the Employee with the 3rd Maximum Salary**
5. **Find the Employee with the 3rd Minimum Salary**
6. **Select the First Record From Table**
7. **How to Get the Nth MAX Salary**
8. **How to Delete Duplicate Rows From Employee**
9. **Display the Number Of Employees in Each Department.**
10. **Annual Salary for each Employee is provided – Now Display the Monthly and Annual Salary For each Employee.**

**Answer**

* select ROW\_NUMBER() over (partition by employee\_Name order by employee\_id)RowID,\* from Employee*select \* from employee where department\_id in (20,30) and job = 'Manager'*

**Fetch All Records of Employee Table with Row ID.**

**select ROW\_NUMBER() over (partition by employee\_Name order by employee\_id)RowID,\* from Employee**

**Fetch ALTERNATE records from Employee Table. (EVEN NUMBERED)**

**SELECT \* FROM (select ROW\_NUMBER() over (order by employee\_Name) AS RowID,\* from Employee)t where ((t.RowID%2)=0)**

**Fetch ALTERNATE records from Employee Table. (ODD NUMBERED)**

**SELECT \* FROM (select ROW\_NUMBER() over (order by employee\_Name) AS RowID,\* from Employee)t where ((t.RowID%2)=1)**

**Find the Employee with the 3rd Maximum Salary**

**select MAX(Salary) as Salary from Employee**

**where Salary<**

**(select MAX(Salary) from Employee where Salary<**

**(select MAX(Salary) from Employee))**

**select \* from Employee where Salary=(select MAX(Salary) as Salary from Employee**

**where Salary<**

**(select MAX(Salary) from Employee where Salary<**

**(select MAX(Salary) from Employee)))**

**select \* from Employee order by Salary desc**

**;with cte as**

**(select ROW\_NUMBER() over (order by salary desc) as salaryorder,\* from Employee)**

**select \* from cte where salaryorder=3**

**select \* from**

**(select ROW\_NUMBER() over (order by salary desc) as salaryorder,\* from Employee)t where t.salaryorder=2**

**Find the Employee with the 3rd Minimum Salary**

**Select the First Record From Table**

**How to Get the Nth MAX Salary**

**How to Delete Duplicate Rows From Employee**

**Display the Number Of Employees in Each Department.**

**Annual Salary for each Employee is provided – Now Display the Monthly and Annual Salary For each Employee.**