--Get all Employee details from the Employee table?

select\*from employee

--Get EmployeeId, FirstName, LastName from Employee table?

select employeeid,firstname,lastname from employee

--Get FirstName from Employee table using alias name “Employee Name”

select firstname "employee name" from employee

--Get FirstName from Employee table in upper case?

select upper(firstname) from employee

--Get FirstName from Employee table in lower case?

select lower(firstname)from employee

-- Get unique Department from Employee table?

select distinct department from employee

--Select first 3 characters of FirstName from Employee table?

select top 3\* from employee

--Get position of 'k' in name 'Vikas' from Employee table

select charindex('k','vikas') from employee

--Get FirstName from Employee table after removing white spaces from right side?

select rtrim('firstname')as trim\_letter from employee

--Get length of FirstName from Employee table?

select len('firstname')as len\_letter from employee

--Get FirstName from Employee table after replacing 'V' with 'VV'

select replace(firstname,'v','w')as repl\_letter from employee

--Get FirstName and LastName as single column from Employee table separated by

select firstname + lastname as singal\_name from employee

--Get FirstName , Joining year, Joining Month and Joining Date from Employee table ?

select firstname,year(joiningdate)as join\_year,month(joiningdate)as join\_month,day(joiningdate)as join\_day from employee

--Get all employee details from the Employee table order by FirstName Ascending?

select\*from employee order by firstname

--Get all employee details from the Employee table order by FirstName descending?

select\*from employee order by firstname desc

--Get all employee details from the Employee table order by FirstName Ascending and Salary descending?

select\*from employee order by firstname asc,salary desc

--Get employee details from Employee table whose employee name is “Vikas”?

select\*from employee where firstname='vikas'

-- Get employee details from Employee table whose employee name are “Vikas” and “Lalit”?

select\*from employee where firstname in ('vikas','lalit')

--Get employee details from Employee table whose employee name are not “Vikas” and “Lalit”?

select\*from employee where f\_name not in ('vikas','lalit')

--Get employee details from Employee table whose FirstName starts with 'V'

select\*from employee where firstname like'v%'

--Get employee details from Employee table whose FirstName contains 'k'

select\*from employee where firstname like '%k%'

--Get employee details from Employee table whose FirstName ends with 's'

select\*from employee where firstname like'%s'

--Get employee details from Employee table whose Salary is greater than 70000?

select\*from employee where salary>70000

--Get employee details from Employee table whose Salary is less than 70000?

select\*from employee where salary<70000

--Get employee details from Employee table whose Salary is between 50000 and 70000?

select\*from employee where salary between 50000 and 70000

--Get employee details from Employee table whose joining year is “2015”?

select\*from employee where year(joiningdate)=2015

--Get employee details from Employee table whose joining month is “February”?

select\*from employee where month(joiningdate)=2

--Get employee details from Employee table who joined before 20th June, 2015?

select\*from employee where joiningdate >'2015-06-20'

--Get FirstName, JoiningDate and IncentiveDate from Employee and Incentives table?

select e.firstname,e.joiningdate,f.inceentivedate from employee e inner join incentives f on e.employeeid=f.employeeRefid

--Get Last Name from Employee table after replacing special character (e.g. % (if any)) with white space?

select replace(l\_name,'%','')from employee

--Get department, total salary with respect to a department from Employee table?

select department,sum(salary)as total\_salary from employee group by department

--Get Department, TotalSalary with respect to a department from Employee table order by total salary descending?

select department,sum(salary)as total\_salary from employee group by department order by total\_salary desc

--Get department, no of employees in a department, salary with respect to a department from Employee table order by salary descending?

select department,count(firstname)as count\_f\_name,sum(salary)as sum\_salary from employee group by department order by sum\_salary desc

--Get department wise average salary from employee table order by salary ascending?

select department,avg(salary)as avg\_salary from employee group by department order by avg\_salary

--Get department wise maximum salary from Employee table order by salary ascending?

select department,max(salary)as max\_salary from employee group by department order by max\_salary

-- Get department wise minimum salary from Employee table order by salary ascending?

select department,min(salary)as min\_salary from employee group by department order by min\_salary

--Select number of employees joined with respect to year and month from Employee table?

select datepart(year,joiningdate)as joining\_year,datepart(month,joiningdate)as joining\_month,count(\*)total\_employee from employee

group by datepart(year,joiningdate),datepart(month,joiningdate)

--Select department, salary with respect to a department from Employee table where salary greater than 60000 order by Salary descending

select department,sum(salary)as sum\_salary from employee group by department having sum(salary)>60000 order by sum\_salary desc

--Select FirstName, incentive amount from Employee and incentives table for those employees who have incentives?

select f.firstname,i.incentiveamount from employee f inner join incentives i on f.employeeid=i.employeeRefid

--Select First Name, incentive amount from Employee and incentives table for

--those employees who have incentives and incentive amount greater than 5000

select f.firstname,i.inceentiveamount from employee f inner join incentives i on f.employeeid=i.employeeRefid and inceentive\_amt>5000

--Select First Name, incentive amount from Employee and Incentives table for all Employees even if they didnt get incentives?

select f.firstname,i.incentiveamount from employee f left join incentives i on f.employeeid=i.employeeRefid

--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?

select firstname,isnull(ince\_amt,0) from employee left join incentives on employee.employeeid=incentives.employeeRefid

--Select First Name, incentive amount from Employee and incentives table for all Employees who got incentives using right join?

select f.firstname,i.incentiveamount from employee f right join incentives i on f.employeeid=i.employeeRefid

--Select max incentive with respect to employee from Employee and incentives table using sub query?

select max(incentives.incentiveamount)as max\_incentive,firstname from employee join incentives on incentives.employeeid=employee.employeeRefid

group by firstname

--Select TOP 2 salary from Employee table?

select top 2\*from employee

--Select second, third, fourth or nth highest/maximum salary of employee from Employee table?

....

--Select FirstName, Last Name from Employee table as separate rows?

select firstname from employee

union

select lastname from employee

--What is the difference between UNION and UNION ALL?

union unionall

1)it removes duplicate rows 1)it does not remove duplicate rows

2)union perform distinct sort 2)it is does not remove duplicate and

to remove duplicate also not perform any sort

3)slower than unionall 3)faster than union

--Select Employee details from employee table if data exists in incentive table?

select\*from employee where exists(select\*from incentives)

--Get Employee Id's of those employees who didn't receive incentives without using sub query?

select employeeid from employee

except

select employeeRefid from incentives

--Select 20 % of salary from Vikas, 10% of Salary for Anil and for other 15 % of salary from employee table?

.....

--Select Banking as 'Bank Dept', Insurance as 'Insurance Dept' and Services as 'Services Dept' from employee table?

select department,

case

when department='insurance' then'insurance dept'

when department='banking' then'bank dept'

when department='service' then 'services dept'

end department

from employee

--Write a query to rank employees based on their incentives for a month?

....

--Update Incentive Amount to 9000 in incentive table where employee First Name is Vishal in Employee table?

update incentives set incentiveamount=9000 where employeeRefid=(select employeeid from employee where firstname='vishal')

--Write syntax to create Employee table?

create table employee(employeeid int,firstname varchar(50),lastname varchar(50),salary int,joiningdate date,department varchar(50))

-- Write syntax to set EmployeeId as primary key in Employee table?

....

--Write SQL syntax to set 2 fields(EmployeeId ,FirstName) as primary key in Employee table

alter table employee alter column f\_name varchar(20) not null alter table employee add constraint con\_p primary key(emp\_id,f\_name)

.....

-- Write syntax to drop primary key on Employee table?

-- Write SQL syntax to create EmployeeRefId in Incentives table as foreign key with respect to EmployeeId in employee table?

--Write SQL syntax to drop foreign key on employee table?

--Write syntax to delete employee table?

drop table employee