Bhagyesh Prakash Chavan

--Q1.Get all Employee details from the Employee table?

select \* from Employee

--Q2.Get EmployeeId, FirstName, LastName from Employee table?

select Employee\_id,First\_name,Last\_name from Employee

--Q3.Get FirstName from Employee table using alias name “Employee Name”.

select First\_name as Employee\_Name from Employee

--Q4.Get FirstName from Employee table in upper case?

select upper(First\_name) from Employee

--Q5.Get FirstName from Employee table in lower case?

select lower(First\_name) from Employee

--Q6.Get unique Department from Employee table?

select distinct(Department) from Employee

--Q7.Select first 3 characters of FirstName from Employee table.

select left(First\_name,3) as Names from Employee

--Q8.Get position of 'k' in name 'Vikas' from Employee table.

select charindex('k',First\_name) as Position from Employee where First\_name='Vikas'

--Q9.Get FirstName from Employee table after removing white spaces from right side?

select rtrim(First\_name) from Employee

--Q10.Get FirstName from Employee table after removing white spaces from left side?

select ltrim(First\_name) from Employee

--Q11.Get length of FirstName from Employee table?

select len(First\_name) as Size from Employee

--Q12.Get FirstName from Employee table after replacing 'V' with 'VV'.

select replace(First\_name,'V','VV') from Employee

--Q13.Get FirstName and LastName as single column from Employee table separated by

select concat(First\_name,' ',Last\_name) as Full\_Name from Employee

--Q14.Get FirstName , Joining year, Joining Month and Joining Date from Employee table ?

select First\_name,year(Joining\_date) as Year,Month(Joining\_date) as Month,Day(Joining\_date) as Day from Employee

--Q15.Get all employee details from the Employee table order by FirstName Ascending?

select \* from Employee order by First\_name asc

--Q16.Get all employee details from the Employee table order by FirstName descending?

select \* from Employee order by First\_name desc

--Q17.Get all employee details from the Employee table order by FirstName Ascending and Salary descending.

select \* from Employee order by First\_name asc,Salary desc

--Q18.Get employee details from Employee table whose employee name is “Vikas”?

select \* from Employee where First\_name='Vikas'

--Q19.Get employee details from Employee table whose employee name are “Vikas” and “Lalit”?

select \* from Employee where First\_name in('Vikas','Lalit')

--Q20.Get employee details from Employee table whose employee name are not “Vikas” and “Lalit”?

select \* from Employee where First\_name not in('Vikas','Lalit')

--Q21. Get employee details from Employee table whose FirstName starts with 'V'.

select \* from Employee where First\_name like 'V%'

--Q22.Get employee details from Employee table whose FirstName contains 'k'.

select \* from Employee where First\_name like '%K%'

--Q23.Get employee details from Employee table whose FirstName ends with 's'.

select \* from Employee where First\_name like '%S'

--Q24.Get employee details from Employee table whose Salary is greater than 70000?

select \* from Employee where Salary>70000

--Q25.Get employee details from Employee table whose Salary is less than 70000?

select \* from Employee where Salary<70000

--Q26.Get employee details from Employee table whose Salary is between 50000 and 70000?

select \* from Employee where Salary between 50000 and 70000

--Q27.Get employee details from Employee table whose joining year is “2015”?

select \* from Employee where year(Joining\_date)=2015

--Q28. Get employee details from Employee table whose joining month is “February”?

select \* from Employee where datename(month,Joining\_date)='February'

--Q29.Get employee details from Employee table who joined after 20th June, 2015?

select \* from Employee where Joining\_date < '2015-06-20'

--Q30.Get employee details from Employee table who joined before 20th June, 2015?

select \* from Employee where Joining\_date > '2015-06-20'

--Q31.Get FirstName, JoiningDate and IncentiveDate from Employee and Incentives table?

select First\_name,Joining\_date,Incentive\_date from Employee ,Incentives where Employee.Employee\_id=Incentives.EmployeeRef\_id

--Q32.Get Last Name from Employee table after replacing special character (e.g. % (if any)) with white space?

select Trim(Last\_name) as LastName from Employee

--Q33.Get department, total salary with respect to a department from Employee table?

select Department,sum(Salary) as Total\_salary from Employee group by Department

--Q34.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 Sum(Salary) desc

--Q35.Get department, no of employees in a department, salary with respect to a department from Employee table order by salary descending?

select Department,count(First\_name) as Emp,Salary from Employee group by Department,Salary order by Salary desc

--Q36.Get department wise average salary from employee table order by salary ascending?

select Department,avg(Salary) as Average\_salary from Employee group by Department order by avg(Salary)

--Q37. 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)

--Q38. 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)

--Q39.Select number of employees joined with respect to year and month from Employee table?

select count(First\_name) as No\_of\_employee,year(Joining\_date),month(Joining\_date) from Employee group by year(Joining\_date),month(Joining\_date)

--Q40.Select department, salary with respect to a department from Employee table where salary greater than 60000 order by Salary descending

select Department,Salary from Employee where Salary>60000 order by Salary desc

--Q41.Select FirstName, incentive amount from Employee and incentives table for those employees who have incentives?

Select First\_Name,Incentive\_amount from Employee,Incentives where Employee.Employee\_id=Incentives.EmployeeRef\_id

--Q42.Select First Name, incentive amount from Employee and incentives table for

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

Select First\_Name,Incentive\_amount from Employee,Incentives where Employee.Employee\_id=Incentives.EmployeeRef\_id and Incentive\_amount>5000

--Q43.Select First Name, incentive amount from Employee and Incentives table for all Employees even if they didn't get incentives?

Select First\_Name,Incentive\_amount from Employee full outer join Incentives on Employee.Employee\_id=Incentives.EmployeeRef\_id

--Q44.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 First\_Name,isnull(Incentive\_amount,0) from Employee full outer join Incentives on Employee.Employee\_id=Incentives.EmployeeRef\_id

--Q45.Select First Name, incentive amount from Employee and incentives table for all Employees who got incentives using right join?

Select First\_Name,Incentive\_amount from Employee right join Incentives on Employee.Employee\_id=Incentives.EmployeeRef\_id

--Q46.Select max incentive with respect to employee from Employee and incentives table using sub query?

Select First\_Name,max(Incentive\_amount) from Employee right join Incentives

on Employee.Employee\_id=Incentives.EmployeeRef\_id group by First\_name

--Q47.Select TOP 2 salary from Employee table?

select top 2 Salary from Employee

--Q48.Select second, third, fourth or nth highest/maximum salary of employee from Employee table?

with task

as

(

select \* ,dense\_rank() over(order by Salary desc) as A from Employee

)select \* from task where a=2

--Q49.Select FirstName, Last Name from Employee table as separate rows?

select First\_name + ' ' + Last\_name from Employee

--Q50.What is the difference between UNION and UNION ALL?

Union:- To combine the result of two or more than two select statements as a single unit of values without duplicate values.

Union All :- To combine the result of two or more than two select statements as a single unit of values with duplicate values.

--Q51.Select Employee details from employee table if data exists in incentive table?

select \* from Employee where exists(select \* from Incentives)

--Q52.Get Employee Id's of those employees who didn't receive incentives without using sub query?

Select Employee\_id from Employee

except

select EmployeeRef\_id from Incentives

--Q53.Select 20 % of salary from Vikas, 10% of Salary for Anil and for other 15 % of salary from employee table?

select

case

when First\_name='Vikas' then .20\*Salary

when First\_name='Anil' then .10\*Salary

else .15\*Salary

end

as ABC from Employee

--Q54.Select Banking as 'Bank Dept', Insurance as 'Insurance Dept' and Services as 'Services Dept' from employee table?

select

case

when Department='Banking' then 'Bank Dept'

when Department='Insurance' then 'Insurance Dept'

when Department='Services' then 'Services Dept'

end

as ABC from Employee

--Q55.Write a query to rank employees based on their incentives for a month?

select First\_name from Employee,Incentives where Employee.Employee\_id=Incentives.EmployeeRef\_id order by Incentives.Incentive\_amount desc

--Q56.Update Incentive Amount to 9000 in incentive table where employee First Name is Vishal in Employee table?

update Employee set Salary=9000 where First\_name='vishal'

--Q57.Write syntax to create Employee table?

create table Employee(EmployeeId int identity primary key,FirstName varchar(30),

LastName varchar(30),Salary money,JoiningDate date,Department varchar(30))

--Q58.Write syntax to set EmployeeId as primary key in Employee table?

create table Employee(EmployeeId int identity primary key)

--Q59.Write SQL syntax to set 2 fields(EmployeeId ,FirstName) as primary key in Employee table

Alter table Employee alter column First\_name varchar (20) not null

Alter table Employee add constraint con\_p primary key (Employee\_id,First\_name)

--Q60.Write syntax to drop primary key on Employee table?

--Q61.Write SQL syntax to create EmployeeRefId in Incentives table as foreign key with respect to EmployeeId in employee table?

--Q62. Write SQL syntax to drop foreign key on employee table?

--Q63.Write syntax to delete employee table?

drop table Employee