

----- 1) Select,where,order by,Group by -----

use venky

select * from Employees

-- where

select * from Employees where Salary>60000

select * from Employees where Age>30

--order by

select * from Employees
order by Department Desc

select * from Employees
order by Salary Asc

-- Group by

select Department,Count(*) as Totalcount from Employees
group by Department

----- 2) Joins -----

use joins

select * from Employees

select * from Departments

-- Inner join

select EmployeeID,DepartmentName from Employees e
inner join Departments d on e.DepartmentID=d.DepartmentID

-- Left Join

select EmployeeID,FirstName,DepartmentName,salary from Employees e
Left join Departments d on e.DepartmentID=d.DepartmentID

-- Right Join

select * from Employees e
Right join Departments d on e.DepartmentID=d.DepartmentID

----- 3)Subqueries -----

use venky

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select * from Employees

-- Second max salary

select max(salary) from Employees where salary<(select max(salary) from
Employees)

-- Second min salary

select min(salary) from Employees where salary>(select min(salary) from
Employees)

----- 4) sum,Avg -----

use venky

select * from Employees

-- Sum

select Sum(salary) as TotalSal From Employees

select Department,Sum(salary) as TotalSal From Employees
group by Department

-- Avg

select Avg(salary) as AvgSal From Employees

select Department,Avg(salary) as avgSal From Employees
group by Department

----- 4) Views -----

use venky

create view Edetails as
select EmployeeID,Salary from Employees

select * from Edetails

----- 5) Indexes -----

create index idx_Details on
Employees(EmployeeID)

select * from Employees where EmployeeID=1

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