create proc ProcedureName Para

AS

Begin

DDL / DML

End

--------------------------------------------------

create function FunctionName

returns varchar(20)

AS

Begin

Select

return

End

use A

create function CombineStrings(@string1 varchar(10), @string2 varchar(10))

returns varchar(20)

AS

Begin

return @string1 + ' ' + @string2

End

select dbo.CombineStrings('Deepak','Kumar')

create function GetData()

returns table

As

return Select \* from EMployee

select \* from GetData()

**View Employee**

|  |  |  |  |
| --- | --- | --- | --- |
| Id | Name | Dept | Manager |
|  |  | HR |  |
|  |  | Accts |  |
|  |  | HR |  |
|  |  | Accts |  |
|  |  | Sales |  |
|  |  |  |  |
|  |  |  |  |

Purpose of View : Security

Views are virtual table > They fetch data from base tables

Views does not have any data of their own

We can perform Insert delete update thru view , but it will actually happen in base table

Views > Simple (which are based on one table) Or Complex (which are based on more than more tables)

**Joins**

To bring data from more than 1 table

Inner Join

Outer Join > Left Outer Join , Right Outer Join , Full Outer Join

Cross Join

Self Join

select \* from employee

create view salesdata

As

Select \* from employee where dept = 'Sales'

create view acctsdata

As

Select \* from employee where dept = 'Accts'

create table dept (id int primary key,

deptname varchar(20))

insert into dept values(1,'HR'),

(2,'Sales'),(3,'Accts')

select \* from employee

alter table employee drop column dept

alter table employee drop constraint deptc

delete employee where deptid=3

select \* from salesdata

select \* from acctsdata

insert into salesdata values (10,'Sagar','N Delhi',24,'Sales',23000)

alter table employee add deptid int references dept(id)

update employee set deptid=1 where id between 1 and 4

update employee set deptid=2 where id between 5 and 7

update employee set deptid=3 where id >=8

--- DIsplay Employee NAme & deptname

select a.name , b.deptname from employee a join dept b

on a.deptid = b.id

select a.name , b.deptname from employee a left outer join dept b

on a.deptid = b.id

select a.name , b.deptname from employee a right outer join dept b

on a.deptid = b.id

select a.name , b.deptname from employee a full outer join dept b

on a.deptid = b.id

select \* from employee cross join dept

-- Self join