**String functions:**

select ascii('name')

SELECT CHAR(65)

SELECT CONCAT('Advaith', ' Ashwin');

SELECT LEFT('SQL Transact', 5);

select len('example')

select lower('RANDOM')

SELECT LTRIM(' Structured')

SELECT REPLACE('training', 'T', ' ')

SELECT REPLICATE('Transact', 7);

SELECT reverse('Deccan')

SELECT RIGHT('SQL Transact', 5);

SELECT RTRIM('Structured ')

SELECT SUBSTRING('SQL Transact', 1, 3)

select upper('training')

SELECT TRIM(' SQL ')

**Numeric Functions:**

SELECT CEILING(22.4)

SELECT FLOOR(22.4)

SELECT Rand(4)

SELECT ROUND(2.4354,2)

SELECT sqrt(1225)

**Date functions:**

DECLARE @date date= '12-10-25';

DECLARE @datetime datetime= @date;

SELECT @date AS '@date', @datetime AS '@datetime';

DECLARE @date date = '1912-10-25';

DECLARE @datetimeoffset datetimeoffset(3) = @date;

SELECT @date AS '@date', @datetimeoffset AS '@datetimeoffset';

DECLARE @date date = '1912-10-25'

DECLARE @datetime2 datetime2(3) = @date;

SELECT @date AS '@date', @datetime2 AS '@datetime2(3)';

**Exercises:**

**1. Create a SP which accepts deptno and display all emp details who belong to that deptno.**

create procedure EmpDetails(@deptno int)

as

begin

select \* from emp

where deptno=@deptno

end

exec EmpDetails 30

**2. Create a SP which accepts empno and display his/her annual sal.**

create procedure AnnualSalary(@empno int)

as

begin

select SAL from emp

where empno=@empno

end

exec AnnualSalary 7499

**3. Create a SP which accepts deptno and display how many employees working in that deptno.**

create procedure EmpCount(@deptno int)

as

begin

select count(\*) from emp

where deptno=@deptno

end

exec EmpCount 30

**4. Create a SP which accepts deptno and display what is the min and max sal taken in that deptno.**

create procedure MaxMinSalary(@deptno int)

as

begin

select min(sal) as MinimumSalary, max(sal) as MaximumSalary from emp

where deptno=@deptno

end

exec MaxMinSalary 30

**5. Create function which accepts empno and return his/her annual sal.**

create function GetEmpName(@empno int)

returns varchar(50)

begin

declare @name varchar(50)

select @name=ename from emp where empno=@empno

return @name

end;

select dbo.GetEmpName(7369)

**6. Create a function which accepts deptno and returns no of employee available in that deptno.**

create function GetEmpPerDept(@deptno int)

returns int

begin

declare @empno int

select @empno =count(empno) from emp where deptno = @deptno

return @empno

end;

select dbo.GetEmpPerDept(10)

**7. Create a function which accepts mgrid and display all emps who report to that person.**

create function GetEmployeeMgrid(@mgrid int)

returns table

as

return

(select empno,ename,mgr

from emp

where mgr=@mgrid)

select \* from GetEmployeeMgrid(7698)

**8. Create a function which accepts num as a salary and display all emps who get sal more than given sal.**

create function GetGreaterSalary(@sal int)

returns table

as

return

(select ename

from emp

where sal > @sal)

select \* from GetGreaterSalary(1000)