用户自定义函数

# 查看当前数据库所有函数

--查询所有已创建函数

select definition,\* from sys.sql\_modules m join sys.objects o on m.object\_id = o.object\_id

and type in('fn', 'if', 'tf');

# 创建函数

if (object\_id('fun\_add', 'fn') is not null)

drop function fun\_add

go

create function fun\_add(@num1 int, @num2 int)

returns int

with execute as caller

as

begin

declare @result int;

if (@num1 is null)

set @num1 = 0;

if (@num2 is null)

set @num2 = 0;

set @result = @num1 + @num2;

return @result;

end

go

调用函数

select dbo.fun\_add(id, age) from student;

--自定义函数，字符串连接

if (object\_id('fun\_append', 'fn') is not null)

drop function fun\_append

go

create function fun\_append(@args nvarchar(1024), @args2 nvarchar(1024))

returns nvarchar(2048)

as

begin

return @args + @args2;

end

go

select dbo.fun\_append(name, 'abc') from student;

# 修改函数

alter function fun\_append(@args nvarchar(1024), @args2 nvarchar(1024))

returns nvarchar(1024)

as

begin

declare @result varchar(1024);

--coalesce返回第一个不为null的值

set @args = coalesce(@args, '');

set @args2 = coalesce(@args2, '');;

set @result = @args + @args2;

return @result;

end

go

select dbo.fun\_append(name, '#abc') from student;

# 返回table类型函数

--返回table对象函数

select name, object\_id, type from sys.objects where type in ('fn', 'if', 'tf') or type like '%f%';

if (exists (select \* from sys.objects where type in ('fn', 'if', 'tf') and name = 'fun\_find\_stuRecord'))

drop function fun\_find\_stuRecord

go

create function fun\_find\_stuRecord(@id int)

returns table

as

return (select \* from student where id = @id);

go

select \* from dbo.fun\_find\_stuRecord(2);