یک

```
□ create function status ()
    returns varchar(10)
    as
    begin
        declare @num int;
        set @num = (select COUNT(id) from dbo.Student where grade < 10);
        if @num <= 1
            return 'good';
        if @num <= 3
            return 'normal';
        return 'bad';
    end</pre>
```

name	id	grade
a	1	10
b	2	5
с	3	11
d	4	12

```
SELECT dbo.status() AS ClassStatus;

100 % 

Results Messages

ClassStatus

1 good
```

```
create procedure add_num
@num int
as
= begin

declare @c int;
set @c = (select count(id) from dbo.Student where grade <= 10);
= if @c < @num |

update dbo.Student set grade = grade + 1 where grade >= 9 and grade < 10;
else
update dbo.Student set grade = grade + 0.5 where grade >= 9.5 and grade <= 10;
end
```

	name	id	grade
	a	1	10
•	b	2	5
	С	3	11
	d	4	12
e	e	5	9
	f	6	9.2
	NULL	NULL	NULL

exec add num @num = 2;

	name	id	grade	
>	a	1	10.5	
	b	2	5	
	С	3	11	
	d	4	12	
	e	5	9	
	f	6	9.2	
	NULL	NULL	NULL	

```
create procedure swap (
    @a int, @b int,
    @a_o int output, @b_o int output)
    as
    begin
    set @a_o = @b;
    set @b_o = @a;
    end
```

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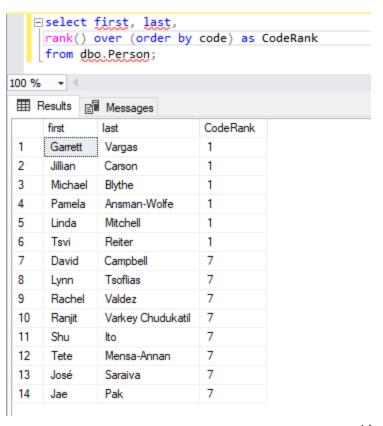
```
create function select_ali(@name varchar(10))
returns real
as
begin
return (select top 1 grade from dbo.Student where name=@name);
end

select dbo.select_ali('ali') as Ali;

Results Messages

Ali
1 14
```

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```
create function four(@current date)
returns nvarchar
as
begin
declare @after date;
set @after = DATEADD(DAY, 4, @current);
return datename(day, @after);
end

DECLARE @LastChangeDate as date
SET @LastChangeDate = GetDate();
select dbo.four(@LastChangeDate) as Four;

Results Messages

Four

1 2
```

As the message suggests, you are not allowed **to use** the **UPDATE** statement inside a **function** unless the **UPDATE** statement is directed **to** a table variable local **to** the **function**

```
create function updoot()
returns int
as
begin
    update dbo.Student set grade = grade + 1;
    declare @a int;
    set @a = 12;
    return @a;
end

0 %    
Messages
Msg 443, Level 16, State 15, Procedure updoot, Line 5 [Batch Start Line 0]
Invalid use of a side-effecting operator 'UPDATE' within a function.
```