

Summing tables in a UDF

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I am having a problem translating a custom function developed in Sybase into a SQL Server UDF.

I keep getting a 208 error – 'invalid object' when I try to run call the function in Query Analyzer even though it compiles without errors in the Enterprise Create Function module.

The original function used a select statement so I'm thinking I have to use an inline table function and not a scalar one? I was having the same issue with a scalar function and could only get it to work once I granted execute permissions on the function. No such property is available for the inline table function however.

Here is the abbreviated version of the original function I'm trying to recreate.

----- Sybase version

```
ALTER function gpcb.frentrev_bdgt(in evt_id integer)
returns integer
begin
  declare rentrev integer;
  select SUM(if er101_acct_order_dtl.er101_db_cr_flag
= 'D' then
  er101_acct_order_dtl.er101_ext_chrg
  else-er101_acct_order_dtl.er101_ext_chrg
  endif) into rentrev from
ev200_event_master,er101_acct_order_dtl where
  ev200_event_master.ev200_org_code =
er101_acct_order_dtl.er101_org_code and
  ev200_event_master.ev200_evt_id =
er101_acct_order_dtl.er101_evt_id and
  ev200_event_master.ev200_org_code = '02' and
  ev200_event_master.ev200_evt_id = evt_id and
  er101_acct_order_dtl.er101_phase = 'R' and
```

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```
er101_acct_order_dtl.er101_dept = 'SALES' and
er101_acct_order_dtl.er101_res_class <= '7' and
er101_acct_order_dtl.er101_new_res_type <> '1GENRT' and
er101_acct_order_dtl.er101_new_res_type <> '3F&BRT' and
er101_acct_order_dtl.er101_new_res_type <> '3OTHRT' and
er101_acct_order_dtl.er101_res_code <> 'A500' and
er101_acct_order_dtl.er101_res_code <> 'A400'
group by ev200_event_master.ev200_evt_id;
if rentrev is null then set rentrev=0
end if;
return(rentrev)
end
```

What UDF type do I need to recreate this in SQL Server?

The following code compiles correctly but I get the this erroro when I try to run it in Query Analyzer...

Server: Msg 208, Level 16, State 1, Line 1
Invalid object name 'dbo.frentrevtest'.

----- SQL Server version -----

```
CREATE FUNCTION dbo.frentrevtest
```

```
(@EvtID Integer)
```

```
RETURNS @Result Table
```

```
(OrdTot Integer)
```

```
AS
```

```
BEGIN
```

```
    INSERT INTO @Result
```

```
        (OrdTot)
```

```
        Select Sum(
```

```
er101_acct_order_dtl.er101_ext_chrg ) AS rentTot
```

```
    From ev200_event_master, er101_acct_order_dtl
```

```
    Where ev200_event_master.ev200_org_code =
```

```
er101_acct_order_dtl.er101_org_code AND
```

```
    ev200_event_master.ev200_evt_id =
```

```
er101_acct_order_dtl.er101_evt_id AND
```

```
    ev200_event_master.ev200_org_code = '02'
```

```
AND
```

```
    ev200_event_master.ev200_evt_id = @EvtID
```

```
AND
```

```
    er101_acct_order_dtl.er101_phase = '1' AND
```

```
    er101_acct_order_dtl.er101_dept = 'SALES'
```

```
AND
```

```
    er101_acct_order_dtl.er101_res_class
```

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```
<= '7' AND
    er101_acct_order_dtl.er101_new_res_type
<> '1GENRT' AND
    er101_acct_order_dtl.er101_new_res_type
<> '3F&BRT' AND
    er101_acct_order_dtl.er101_new_res_type
<> '3OTHRT' AND
    er101_acct_order_dtl.er101_res_code
<> 'A500' AND
    er101_acct_order_dtl.er101_res_code
<> 'A400'
```

```
    RETURN
END
```

I just want to be able to do a select/sum for a specific condition on a table join. Why won't this work?

Any help would be greatly appreciated.

thx