

Assessment on SQL

Vijit

Workers table

The screenshot shows the SQL Server Enterprise Manager interface. The Object Explorer on the left displays the database structure, including tables like `tblOrders`, `tblShippers`, and `tblTitles`, as well as views and stored procedures. The central pane shows a SQL query window with the following code:

```
107 go
108 create or alter function get_worker_count_nth_salary (@n int)
109 returns int
110 as
111 begin
112     declare @nth_highest_salary int;
113     declare @worker_count int;
114
115     select @nth_highest_salary = salary
116     from(
117         select
118             salary ,
119             dense_rank() over (order by salary desc) as salary_rank
120     ) as ranked_salaries
121     where salary_rank = @n
122     select @worker_count = count(*)
123     from Workers
124     where salary >= @nth_highest_salary
125     return @worker_count
126 end
```

The Results pane at the bottom shows the output of the query, which is a single row with the value 2.

Results
2

The screenshot shows the SQL Server Enterprise Manager interface. The Object Explorer on the left displays the database structure, including tables like `tblOrders`, `tblShippers`, and `tblTitles`, as well as views and stored procedures. The central pane shows a SQL query window with the following code:

```
89 go
90 create or alter procedure GetWorkerDetailsWithBs
91 as
92 begin
93     select
94         w.fname ,
95         t.Worker_title,
96         dbo.fn_GetTotalBonus(w.Worker_id) as Bonus
97     from Workers w
98     inner join
99         Title t on w.Worker_id = t.Workerid
100     inner join
101         Bonus b on t.Workerid = b.Workerid
102 end
```

The Results pane at the bottom shows the output of the query, which is a table with 3 rows and 3 columns: `fname`, `Worker_title`, and `Bonus`.

Results		
fname	Worker_title	Bonus
Vijit	Developer	2500.00
Vijay	Developer	2500.00
Viru	Developer	2500.00