
Subject: ORA-06533: Subscript beyond count
Posted by [Anvesh REdy](#) on Sun, 14 Dec 2008 00:52:32 GMT
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Dear Members

I am getting the following error while working toad.I am using oracle 9i

ORA-06533: Subscript beyond count
ORA-06512: at line 42
ORA-06512: at line 5

pointing to the following line in the code

```
v_CUMM_SALES_tp(i) := v_CUMM_SALES_tp(i) + v_l_count_tp(i);
```

I am not sure what is wrong.It will be great help if some can correct the error

CREATE OR REPLACE procedure proc_sales is

```
TYPE sales_rep_id_tp IS TABLE OF NUMBER;  
v_sales_rep_id_tp sales_rep_id_tp := sales_rep_id_tp();  
TYPE first_name_tp IS TABLE OF VARCHAR2(30);  
v_first_name_tp first_name_tp := first_name_tp();  
TYPE last_name_tp IS TABLE OF VARCHAR2(30);  
v_last_name_tp last_name_tp := last_name_tp();
```

```
TYPE l_count_tp IS TABLE OF NUMBER;  
v_l_count_tp l_count_tp := l_count_tp();  
TYPE l_month_tp IS TABLE OF VARCHAR2(30);  
v_l_month_tp l_month_tp := l_month_tp();  
TYPE l_year_tp IS TABLE OF VARCHAR2(30);  
v_l_year_tp l_year_tp := l_year_tp();
```

```
TYPE CUMM_SALES_tp IS TABLE OF NUMBER;  
v_CUMM_SALES_tp CUMM_SALES_tp := CUMM_SALES_tp();
```

```
TYPE CUMM_COMM_tp IS TABLE OF NUMBER;  
v_CUMM_COMM_tp CUMM_COMM_tp := CUMM_COMM_tp();
```

CURSOR C1 IS

```
select a.sales_rep_id,a.first_name,a.last_name,  
count(product_id),to_char(sold_date,'month'),to_char(sold_date,'yyyy')  
from sales_reps a,sales_info b  
where active_flag='Y'  
and a.SALES_REP_ID=b.SALES_REP_ID  
group by a.sales_rep_id,a.first_name,a.last_name,
```

```
to_char(b.sold_date,'month'),to_char(b.sold_date,'yyyy');
```

```
begin
```

```
OPEN C1;
```

```
LOOP
```

```
FETCH C1 bulk collect
```

```
into v_sales_rep_id_tp,v_first_name_tp,v_last_name_tp,  
v_l_count_tp,v_l_month_tp,v_l_year_tp;
```

```
FOR i IN v_first_name_tp.FIRST .. v_first_name_tp.LAST
```

```
LOOP
```

```
v_CUMM_SALES_tp(i) := v_CUMM_SALES_tp(i) + v_l_count_tp(i);
```

```
v_CUMM_COMM_tp(i) := CALC_COMM(v_CUMM_SALES_tp(i));
```

```
END LOOP;
```

```
IF (C1%NOTFOUND)
```

```
THEN
```

```
EXIT;
```

```
END IF;
```

```
END LOOP;
```

```
for i in v_first_name_tp.first .. v_first_name_tp.last loop
```

```
dbms_output.put_line('Sales Rep ID is ' || v_sales_rep_id_tp(i));
```

```
dbms_output.put_line('First Name is ' || v_first_name_tp(i));
```

```
dbms_output.put_line('Last Name is ' || v_last_name_tp(i));
```

```
dbms_output.put_line('Monthly Sales ' || v_l_count_tp(i));
```

```
dbms_output.put_line('Month is ' || v_l_month_tp(i));
```

```
dbms_output.put_line('Year is ' || v_l_year_tp(i));
```

```
end loop;
```

```
FORALL i IN v_first_name_tp.FIRST .. v_first_name_tp.LAST
```

```
insert into monthly_sales_info values
```

```
(v_first_name_tp(i),v_last_name_tp(i),v_l_month_tp(i),
```

```
v_l_year_tp(i),v_l_count_tp(i),v_CUMM_SALES_tp(i),v_CUMM_COMM_tp(i));
```

```
COMMIT;
```

```
CLOSE C1;
```

```
end;
```

```
Thanks
```

Anvesh

[mod-edit: added code tags; next time please add them yourself]

Subject: Re: ORA-06533: Subscript beyond count
Posted by [Barbara Boehmer](#) on Sun, 14 Dec 2008 03:10:38 GMT
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You need to extend before you can assign a value:

```
v_CUMM_SALES_tp.EXTEND;
```

That is what causes the current error. It is saying that there is no element i.

You also need to assign a value to it:

```
v_CUMM_SALES_tp(i) := 0;
```

before you can add a value to it.

However, there are some other problems in your code. For example, you have an unnecessary loop. You don't need it with bulk collect. Please read the forum guide for how to post a complete question with create table and insert statements and results you want.

Subject: Re: ORA-06533: Subscript beyond count
Posted by [Anvesh REddy](#) on Mon, 15 Dec 2008 13:43:20 GMT
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Hi Barbara

Thankyou for the reply.I have made changes to the code as suggested .But for some reason I still get the same error when I invoke a procedure from a PL/SQL block(Procedure compiles fine).Below are the changes to my code.

```
FOR i IN v_first_name_tp.FIRST .. v_first_name_tp.LAST  
LOOP  
v_CUMM_SALES_tp:= CUMM_SALES_tp();  
v_CUMM_SALES_tp.EXTEND;  
v_CUMM_SALES_tp(i) := v_CUMM_SALES_tp(i) + v_l_count_tp(i);  
v_CUMM_COMM_tp(i) := CALC_COMM(v_CUMM_SALES_tp(i));  
END LOOP;
```

The error is as follows

ORA-06533: Subscript beyond count
ORA-06512: at "ANVESH.PROC_SALES", line 50
ORA-06512: at line 5

pointing to the following line in the code

```
v_CUMM_COMM_tp(i) := CALC_COMM(v_CUMM_SALES_tp(i));
```

the PL/SQL block I have used to invoke the procedure is as follows

```
declare
```

```
begin
```

```
proc_sales;
```

```
end;
```

Subject: Re: ORA-06533: Subscript beyond count
Posted by [Anvesh REddy](#) on Mon, 15 Dec 2008 14:13:04 GMT
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Finally got the solution. Here is the entire code with proper changes.

CREATE OR REPLACE procedure ANVESH.proc_sales is

```
TYPE sales_rep_id_tp IS TABLE OF NUMBER;  
v_sales_rep_id_tp sales_rep_id_tp := sales_rep_id_tp();  
TYPE first_name_tp IS TABLE OF VARCHAR2(30);  
v_first_name_tp first_name_tp := first_name_tp();  
TYPE last_name_tp IS TABLE OF VARCHAR2(30);  
v_last_name_tp last_name_tp := last_name_tp();  
  
TYPE l_count_tp IS TABLE OF NUMBER;  
v_l_count_tp l_count_tp := l_count_tp();  
TYPE l_month_tp IS TABLE OF VARCHAR2(30);  
v_l_month_tp l_month_tp := l_month_tp();  
TYPE l_year_tp IS TABLE OF VARCHAR2(30);  
v_l_year_tp l_year_tp := l_year_tp();  
  
TYPE CUMM_SALES_tp IS TABLE OF NUMBER;  
v_CUMM_SALES_tp CUMM_SALES_tp := CUMM_SALES_tp();
```

```
TYPE CUMM_COMM_tp IS TABLE OF NUMBER;
v_CUMM_COMM_tp CUMM_COMM_tp := CUMM_COMM_tp();
```

```
CURSOR C1 IS
```

```
select
a.sales_rep_id,a.first_name,a.last_name,count(product_id),to_char(sold_date,'month'),to_char(sold_date,'yyyy')
from sales_reps a,sales_info b
where active_flag='Y'
and a.SALES_REP_ID=b.SALES_REP_ID
group by
a.sales_rep_id,a.first_name,a.last_name,to_char(b.sold_date,'month'),to_char(b.sold_date,'yyyy');
```

```
begin
```

```
    OPEN C1;
```

```
    LOOP
```

```
        FETCH C1 bulk collect into
```

```
v_sales_rep_id_tp,v_first_name_tp,v_last_name_tp,v_l_count_tp,v_l_month_tp,v_l_year_tp;
```

```
        FOR i IN v_first_name_tp.FIRST .. v_first_name_tp.LAST
```

```
        LOOP
```

```
            --v_CUMM_SALES_tp(i) := 0;
```

```
            v_CUMM_SALES_tp:= CUMM_SALES_tp();
```

```
            v_CUMM_SALES_tp.EXTEND(i);
```

```
            v_CUMM_SALES_tp(i) := v_CUMM_SALES_tp(i) + v_l_count_tp(i);
```

```
            v_CUMM_COMM_tp := CUMM_COMM_tp();
```

```
            v_CUMM_COMM_tp.EXTEND(i);
```

```
            v_CUMM_COMM_tp(i) := CALC_COMM(v_CUMM_SALES_tp(i));
```

```
        END LOOP;
```

```
        IF (C1%NOTFOUND)
```

```
        THEN
```

```
            EXIT;
```

```
        END IF;
```

```
    END LOOP;
```

```
    /* for i in v_first_name_tp.first .. v_first_name_tp.last loop
```

```
        dbms_output.put_line('Sales Rep ID is ' || v_sales_rep_id_tp(i));
```

```
dbms_output.put_line('First Name is ' || v_first_name_tp(i));
dbms_output.put_line('Last Name is ' || v_last_name_tp(i));
dbms_output.put_line('Monthly Sales ' || v_l_count_tp(i));
dbms_output.put_line('Month is ' || v_l_month_tp(i));
dbms_output.put_line('Year is ' || v_l_year_tp(i));

end loop;*/

FORALL i IN v_first_name_tp.FIRST .. v_first_name_tp.LAST
insert into monthly_sales_info values
(v_first_name_tp(i),v_last_name_tp(i),v_l_month_tp(i),v_l_year_tp(i),v_l_count_tp(i),v_CUMM_SALES_
tp(i),v_CUMM_COMM_tp(i));
COMMIT;

CLOSE C1;

end;
/
```

Subject: Re: ORA-06533: Subscript beyond count
Posted by [Michel Cadot](#) on Mon, 15 Dec 2008 14:48:19 GMT
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Thanks for the feedback.

Before your next question, Please read OraFAQ Forum Guide, especially "How to format your post?" section.

Make sure that lines of code do not exceed 80 characters when you format.

Indent the code (See SQL Formatter), use code tags and align the columns in result.

Use the "Preview Message" button to verify.

Also always post your Oracle version (4 decimals).

Regards

Michel
