sSQL> select \* from instrument;

AR\_ID INST\_ ID INST\_NAME INST\_QUANTITY INST\_COST

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ar11 m12c guitar 6 6000

ar12 m45c voiline 12 9000

ar13 m23c guitar 6 6500

ar14 m66c piano 3 9000

ar16 m435c archlute 15 9999

ar15 m89c banjo 6 7590

ar17 m79c tabla 7 5069

ar18 m91c dobro 9 9870

8 rows selected.

SQL> create or replace procedure p3

2 is

3 albm varchar(10);

4 begin

5 select ar\_id into albm from instrument where inst\_id='m12c

6 dbms\_output.put\_line('artist id is=' ||albm);

7 end;

8 /

Procedure created.

SQL> exec p3;

Artist id is=a11

PL/SQL procedure successfully completed.

SQL> create or replace procedure albm is

2 cursor inst\_my is select \* from instrument;

3 abcd inst\_my%rowtype;

4 begin

5 open inst\_my;

6 loop

7 fetch inst\_my into abcd;

8 exit when inst\_my%notfound;

9 dbms\_output.put\_line(abcd.inst\_id);

10 end loop;

11 end;

12 /

Procedure created.

SQL> set serveroutput on;

SQL> call albm();

m12c

m45c

m23c

m66c

m435c

m89c

m79c

m91c

Call completed.

SQL> declare

2 cursor instrcnt is select count(\*) count,avg(inst\_cost) avg from instrument;

3 i\_test instrcnt%rowtype;

4 begin

5 open instrcnt;

6 fetch instrcnt into i\_test;

7 close instrcnt;

8 dbms\_output.put\_line('number of instruments=' ||i\_test.count);

9 dbms\_output.put\_line('avg. of instrumnts=' ||i\_test.avg);

10 end;

11 /

number of instruments=8

avg. of instrumnts=7878.5

PL/SQL procedure successfully completed.

SQL>