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SQL> set echo on
SQL> @Z:/exceptions.sql
SQL> rem 1. For the given receipt number, if there are no rows then display as "No order with
the
SQL> rem given receipt <number>". If the receipt contains more than one item, display as
SQL> rem "The given receipt <number> contains more than one item". If the receipt contains
SQL> rem single item, display as "The given receipt <number> contains exactly one item". Use
SQL> rem predefined exception handling.
SQL> set serveroutput on;
SQL> declare
  2  rows item_list%rowtype;
  3  rnum receipts.rno%type;
  4  one exception;
  5  begin
  6  rnum :=&rno;
  7  select * into rows
  8  from item_list
  9  where rno = rnum;
 10  if SQL%rowcount =1 then
 11    raise one;
 12  end if;
 13  exception
 14  when no_data_found then
 15    dbms_output.put_line('The given receipt '|| to_char(rnum)||' has no orders');
 16  when one then
 17    dbms_output.put_line('The given receipt '|| to_char(rnum)||' has exactly one item');
 18  when too_many_rows then
 19    dbms_output.put_line('The given receipt '|| to_char(rnum)||' contains more than one
item');
 20  end;
 21  /
Enter value for rno: 99994
old  6: rnum :=&rno;
new  6: rnum :=99994;
The given receipt 99994 contains more than one item

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PL/SQL procedure successfully completed.

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SQL>
SQL> rem 2. While inserting the receipt details, raise an exception when the receipt date is
greater
SQL> rem than the current date.
SQL> set serveroutput on;
SQL> declare
  2  curr_date date;
  3  rows receipts%rowtype;

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4  invalid_date_exception exception;
5  begin
6    select sysdate into curr_date from dual;
7    rows.rno := &rno;
8    rows.rdate := '&rdate';
9    rows.cid := &cid;
10   if rows.rdate>curr_date then
11     raise invalid_date_exception;
12   else
13     insert into receipts(rno,rdate,cid) values(rows.rno,rows.rdate,rows.cid);
14   end if;
15   exception
16     when invalid_date_exception then
17       dbms_output.put_line('The rdate is greater than the current date!');
18       return;
19 end;
20 /

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Enter value for rno: 54321

old 7: rows.rno := &rno;

new 7: rows.rno := 54321;

Enter value for rdate: 21-APR-2019

old 8: rows.rdate := '&rdate';

new 8: rows.rdate := '21-APR-2019';

Enter value for cid: 21

old 9: rows.cid := &cid;

new 9: rows.cid := 21;

The rdate is greater than the current date!

PL/SQL procedure successfully completed.

SQL> spool off