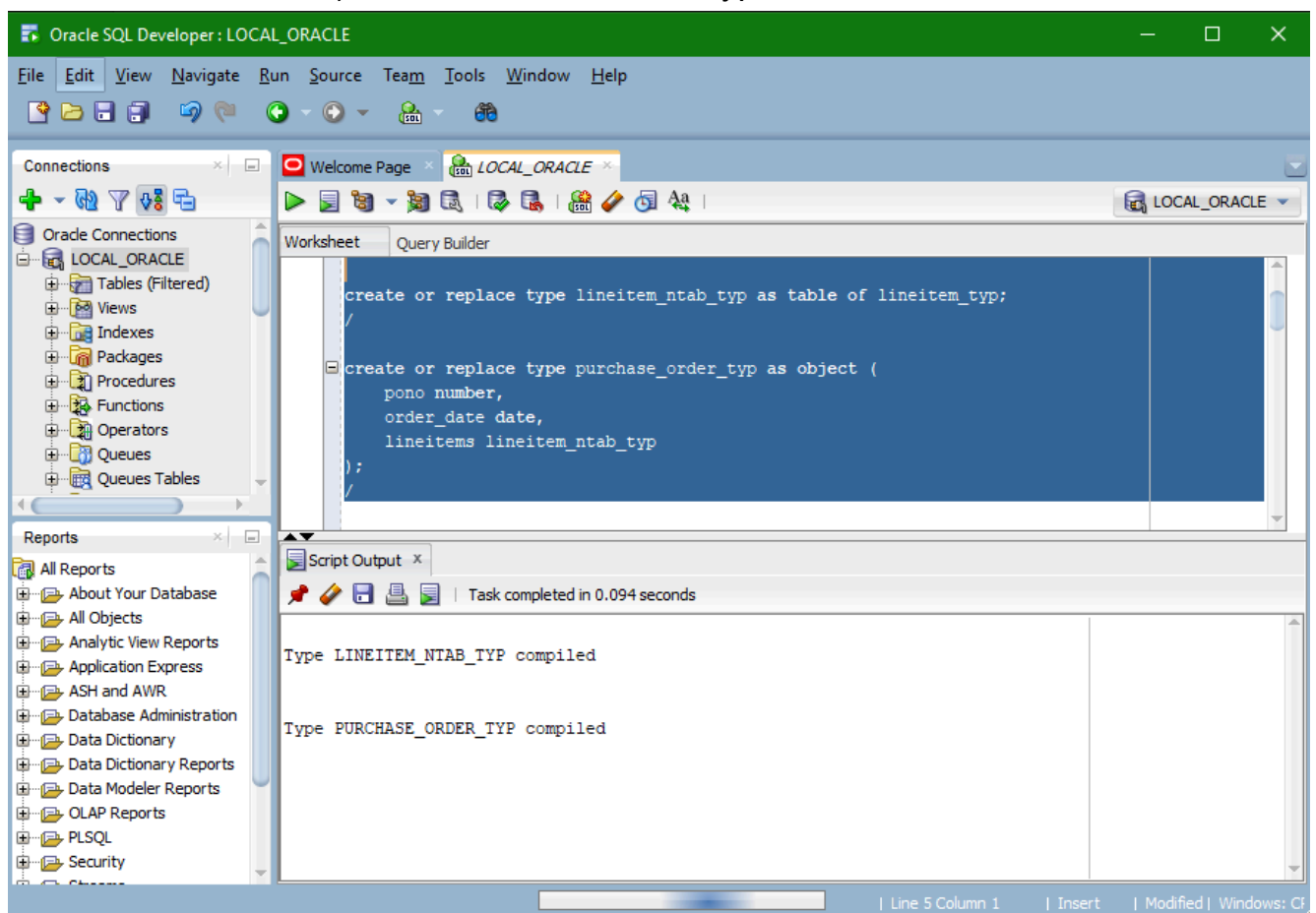


Name: Shaheer Shamsi
Username: shaheer-shamsi

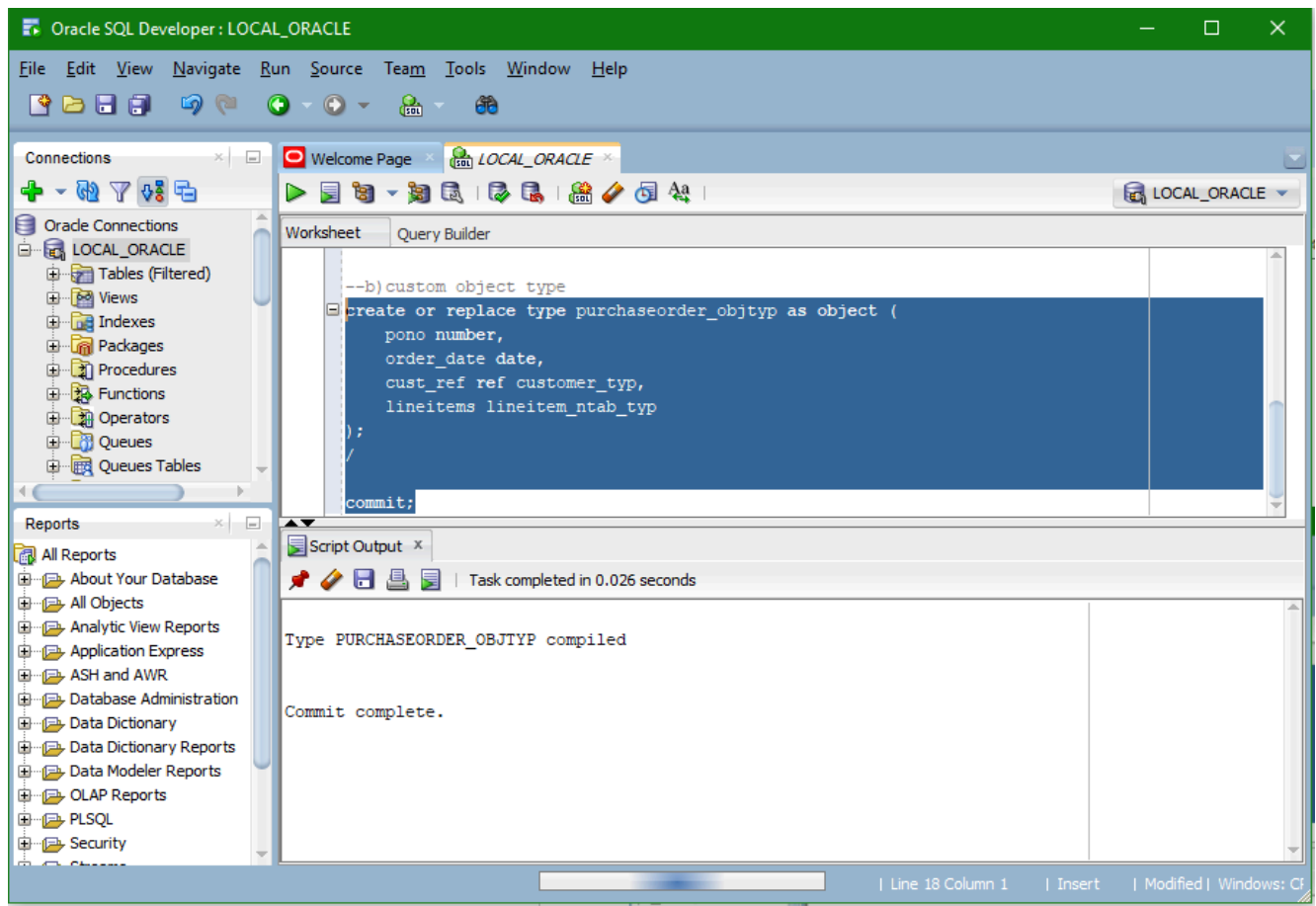
3dotsss advdb Task 05

Modeling Purchase Orders with Nested Line Items

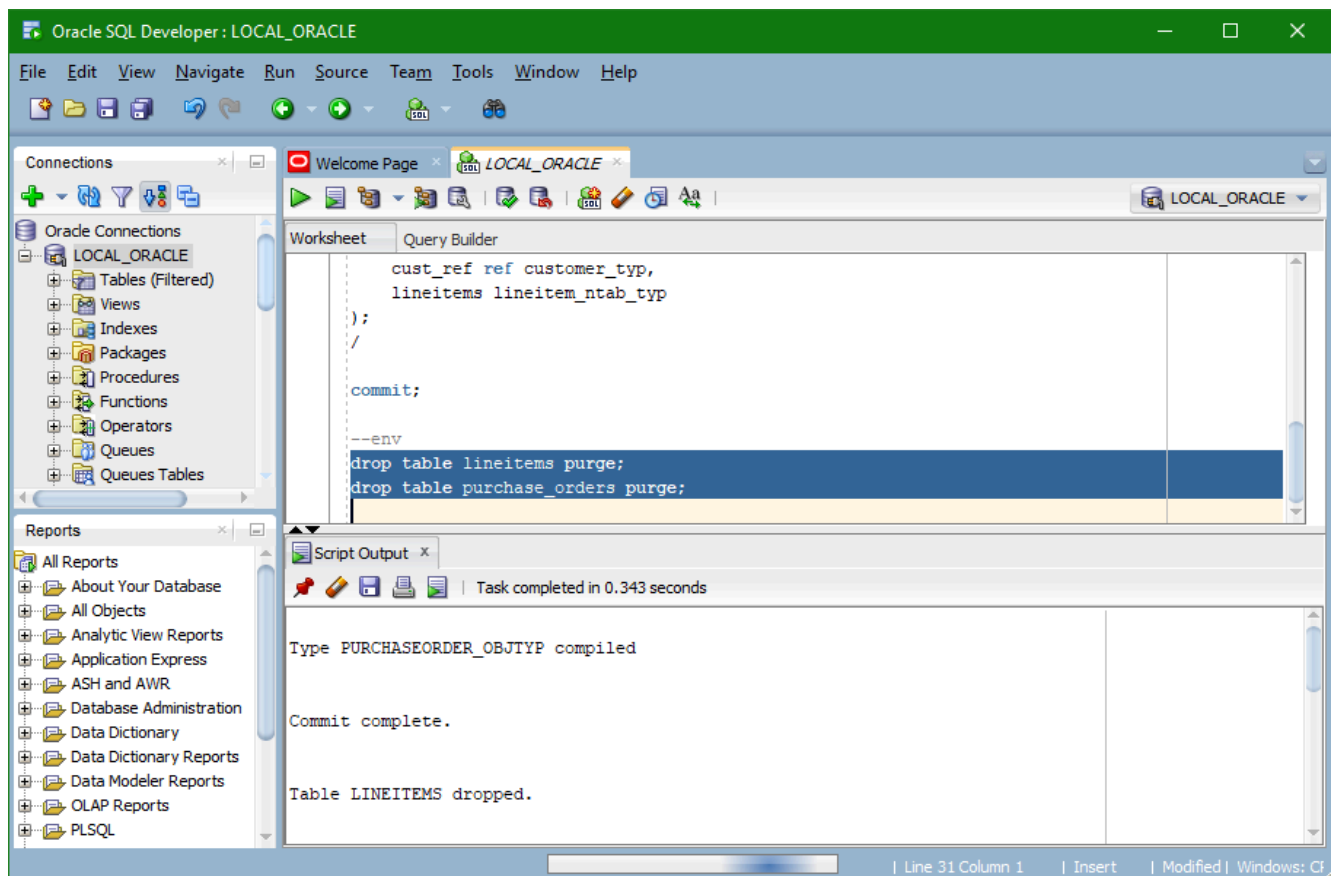
a) Define a Nested Table Type for Line Items



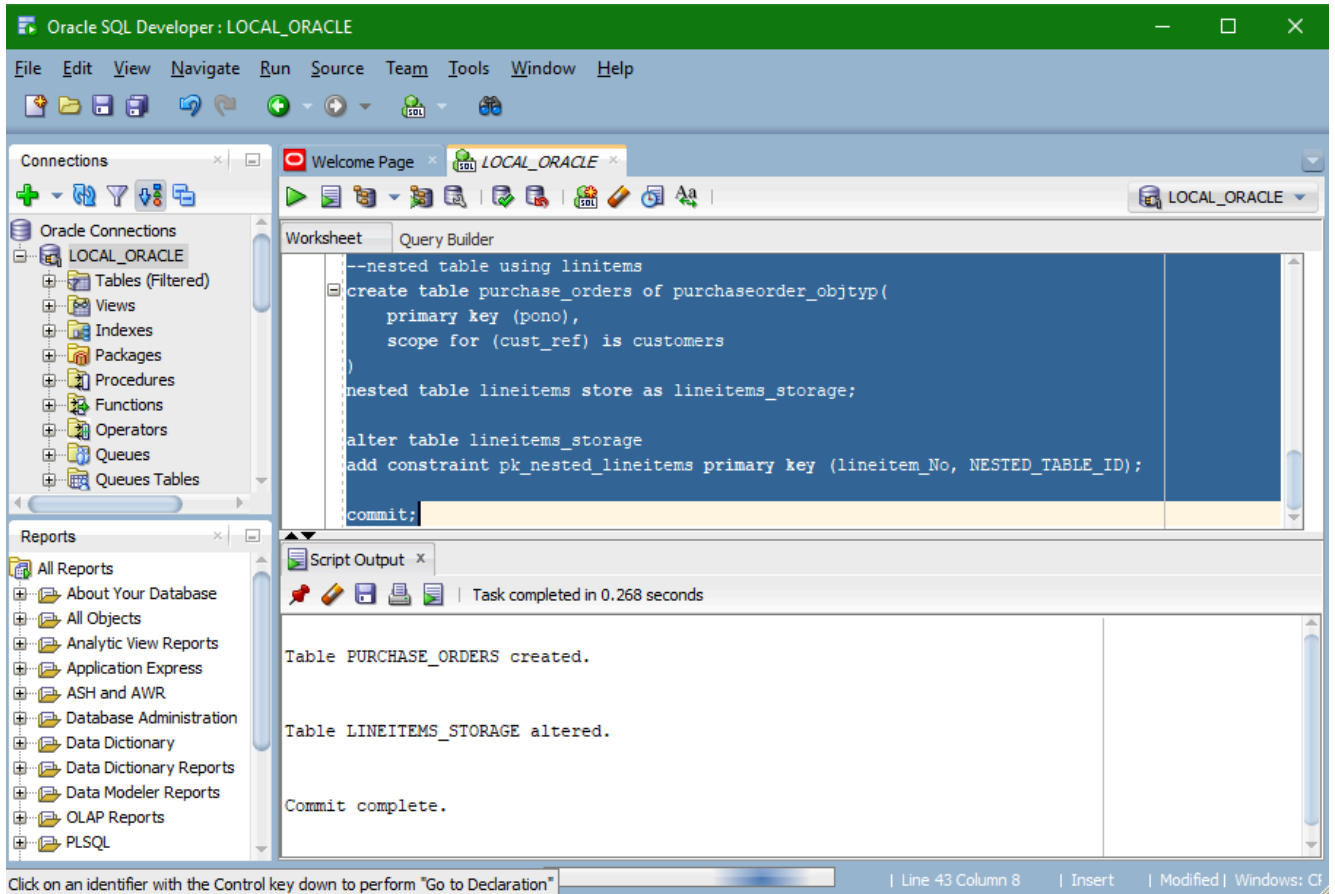
b) Create a Custom Object Type for Purchase Orders



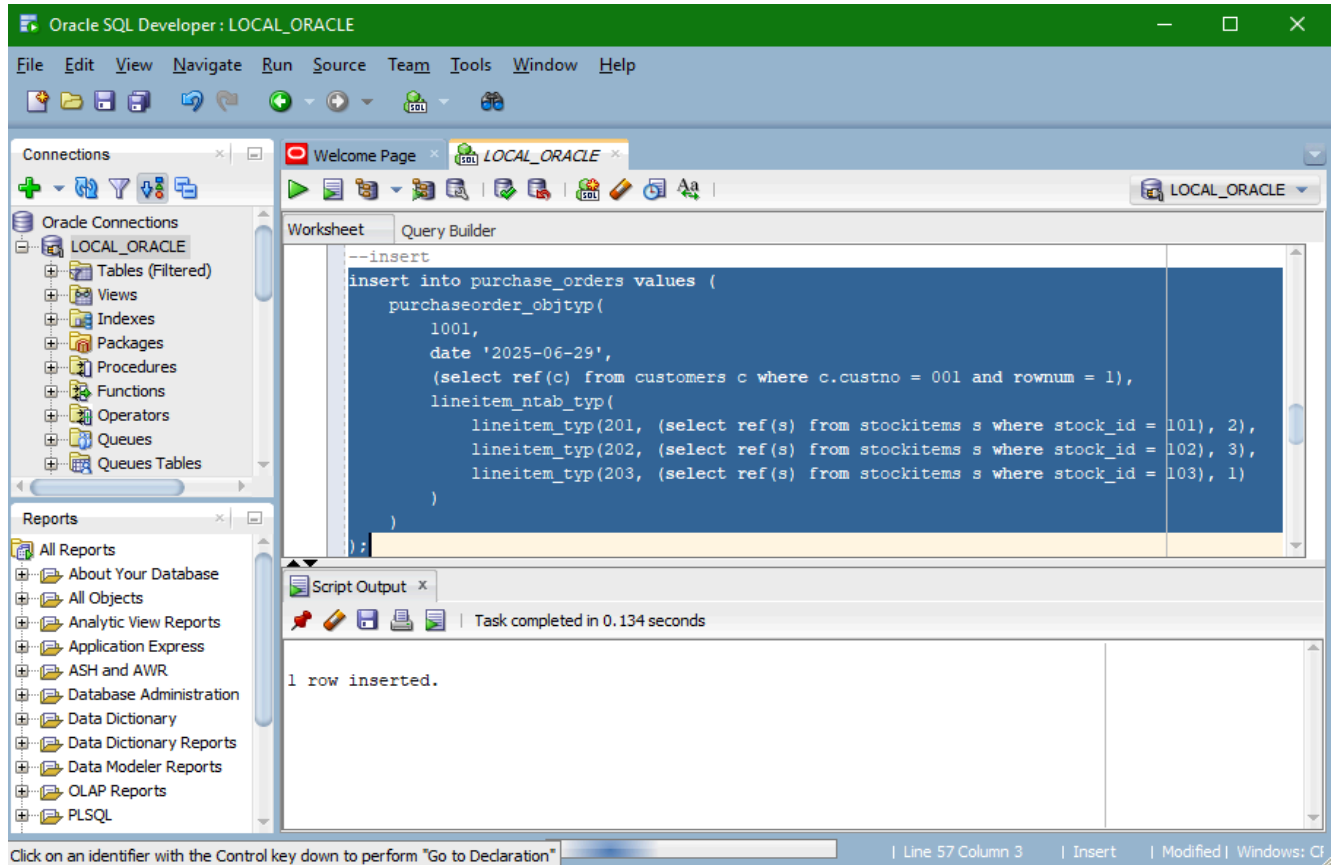
c) Prepare the Environment: Keep and Drop Tables as Needed



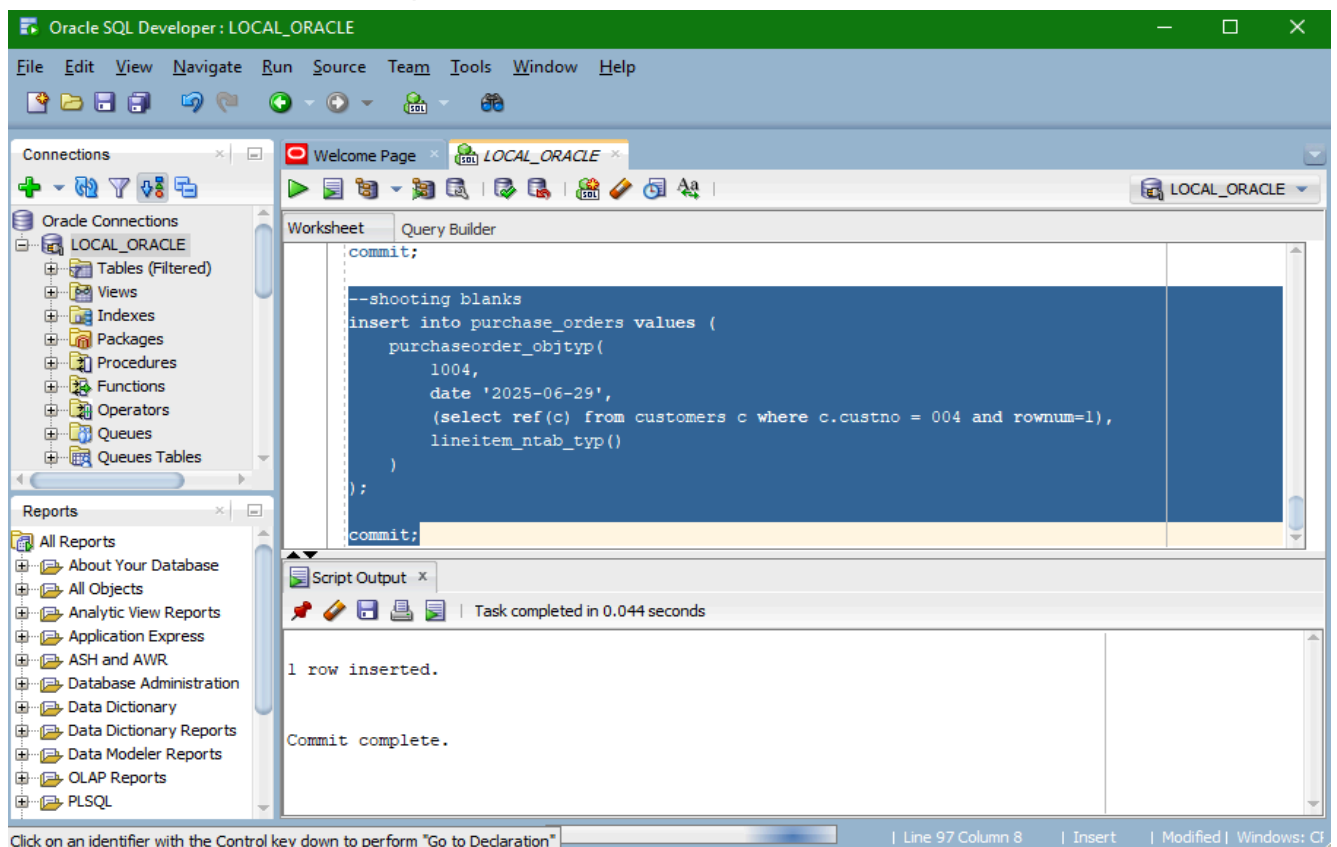
d) Create the Purchase Orders Table from the Custom Type



e) Insert 3 purchase orders with at least 3 line item each in the Purchase Orders Table



Insert a purchase order with a blank nested table.



Insert individual line items

The screenshot displays the Oracle SQL Developer interface for a local Oracle database. The main window shows an SQL script in the Query Builder tab. The script consists of two SQL statements: a comment followed by an insert statement for line item 210, and another insert statement for line item 211. The first insert statement uses a subquery to select a reference from the stockitems table where stock_id is 102. The second insert statement uses a subquery to select a reference from the stockitems table where stock_id is 104. The Script Output window at the bottom shows the result of the first insert statement: "1 row inserted." The status bar at the bottom indicates the current position is at Line 104, Column 3, and the cursor is in Insert mode.

Oracle SQL Developer: LOCAL_ORACLE

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Worksheet Query Builder

```
--insert into blank
insert into table(
    select p.lineitems from purchase_orders p where p.pono = 1004
) values (
    lineitem_typ(210, (select ref(s) from stockitems s where stock_id = 102), 1)
);

insert into table(
    select p.lineitems from purchase_orders p where p.pono = 1004
) values (
    lineitem_typ(211, (select ref(s) from stockitems s where stock_id = 104), 3)
);
```

Script Output

Task completed in 0.077 seconds

1 row inserted.

Click on an identifier with the Control key down to perform "Go to Declaration"

Line 104 Column 3 | Insert | Modified | Windows: CF