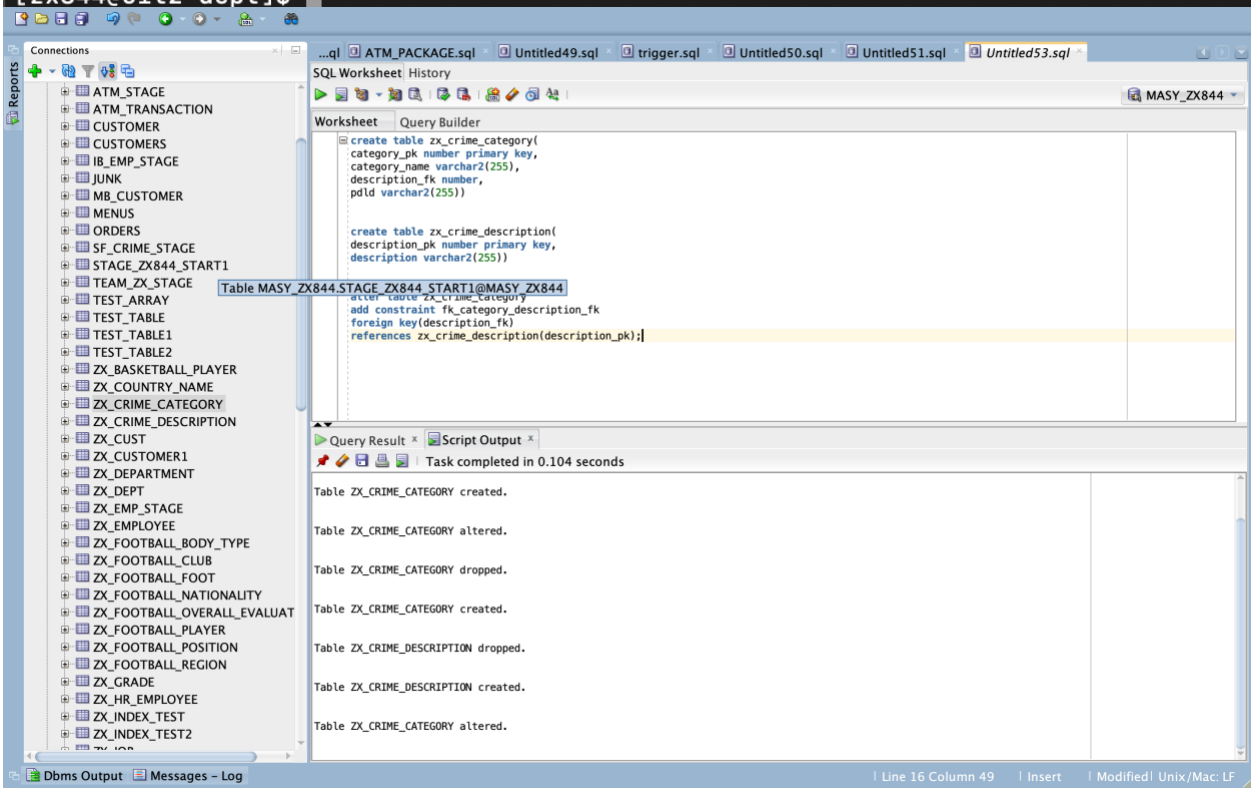
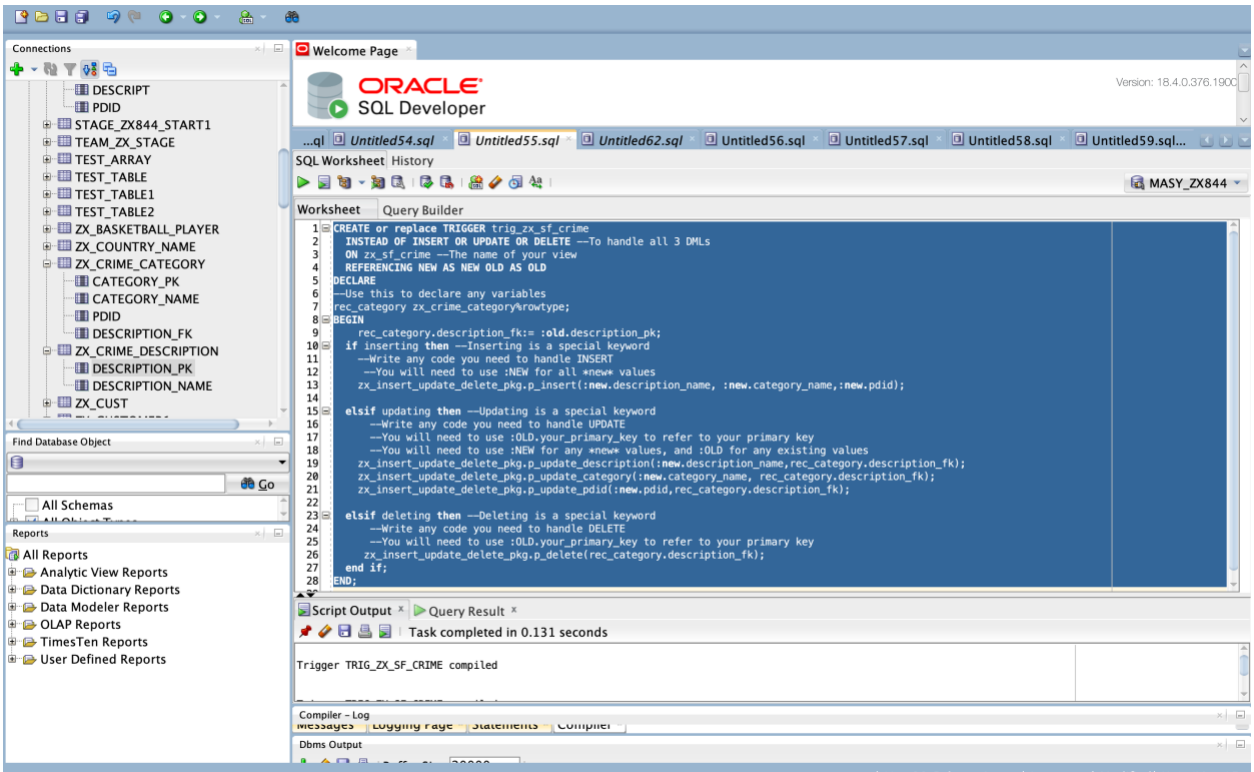
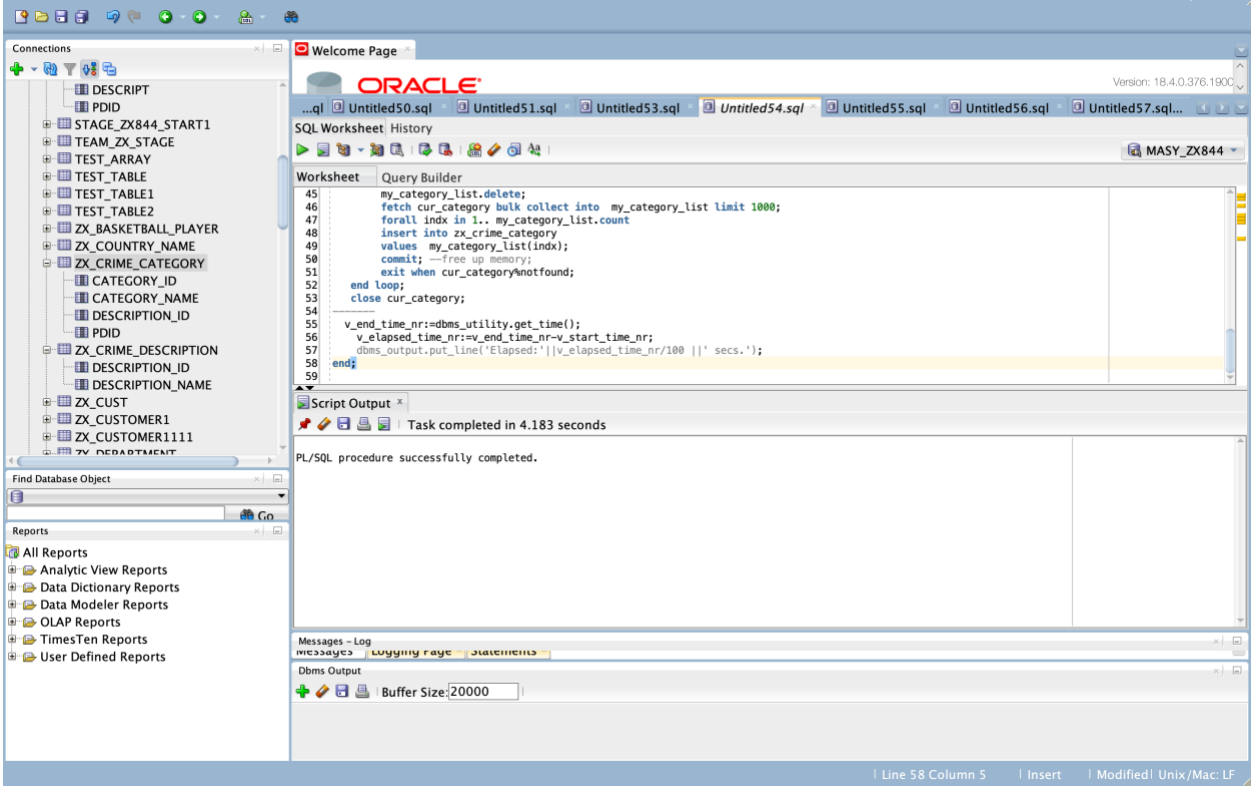
```
peterxu — zx844@oit2:~/data/dept — ssh ◂ sh nyu_ssh_tunnel.sh — 80×24
Commit point reached - logical record count 1048281
Commit point reached - logical record count 1048302
Commit point reached - logical record count 1048323
Commit point reached - logical record count 1048344
Commit point reached - logical record count 1048365
Commit point reached - logical record count 1048386
Commit point reached - logical record count 1048407
Commit point reached - logical record count 1048428
Commit point reached - logical record count 1048449
Commit point reached - logical record count 1048470
Commit point reached - logical record count 1048491
Commit point reached - logical record count 1048512
Commit point reached - logical record count 1048533
Commit point reached - logical record count 1048554
Commit point reached - logical record count 1048574
Commit point reached - logical record count 1048575

Table SF_CRIME_STAGE:
  1048575 Rows successfully loaded.

Check the log file:
  Police_Department_Incident_Reports__Historical_2003_to_May_2018.log
for more information about the load.
[zx844@oit2 dept]$
```




Connections
DESCRIPT
PDID
STAGE_ZX844_START1
TEAM_ZX_STAGE
TEST_ARRAY
TEST_TABLE
TEST_TABLE1
TEST_TABLE2
ZX_BASKETBALL_PLAYER
ZX_COUNTRY_NAME
ZX_CRIME_CATEGORY
CATEGORY_PK
CATEGORY_NAME
PDID
DESCRIPTION_FK
ZX_CRIME_DESCRIPTION
DESCRIPTION_PK
DESCRIPTION_NAME
ZX_CUST
Find Database Object
Go
All Schemas
Reports
All Reports
Analytic View Reports
Data Dictionary Reports
Data Modeler Reports
OLAP Reports
TimesTen Reports
User Defined Reports
Welcome Page
ORACLE
SQL Developer
Version: 18.4.0.376.1900
...ql
Untitled54.sql
Untitled55.sql
Untitled62.sql
Untitled56.sql
Untitled57.sql
Untitled58.sql
Untitled59.sql...
SQL Worksheet
History
MASY_ZX844
Worksheet
Query Builder
CREATE or replace TRIGGER trig_zx_sf_crime
INSTEAD OF INSERT OR UPDATE OR DELETE --To handle all 3 DMLs
ON zx_sf_crime --The name of your view
REFERENCING NEW AS NEW OLD AS OLD
DECLARE
--Use this to declare any variables
rec_category zx_crime_category%rowtype;
BEGIN
rec_category.description_fk:= :old.description_pk;
if inserting then --Inserting is a special keyword
--Write any code you need to handle INSERT
--You will need to use :NEW for all *new* values
zx_insert_update_delete_pkg.p_insert(:new.description_name, :new.category_name,:new.pdid);
elsif updating then --Updating is a special keyword
--Write any code you need to handle UPDATE
--You will need to use :OLD.your_primary_key to refer to your primary key
--You will need to use :NEW for any *new* values, and :OLD for any existing values
zx_insert_update_delete_pkg.p_update_description(:new.description_name,rec_category.description_fk);
zx_insert_update_delete_pkg.p_update_category(:new.category_name, rec_category.description_fk);
zx_insert_update_delete_pkg.p_update_pdid(:new.pdid,rec_category.description_fk);
elsif deleting then --Deleting is a special keyword
--Write any code you need to handle DELETE
--You will need to use :OLD.your_primary_key to refer to your primary key
zx_insert_update_delete_pkg.p_delete(rec_category.description_fk);
end if;
END;
Script Output
Query Result
Task completed in 0.131 seconds
Trigger TRIG_ZX_SF_CRIME compiled
Compiler - Log
Dbms Output
Line 29 Column 1
Insert
Modified
Unix/Mac: LF


Connections
DESCRIPT
PDID
STAGE_ZX844_START1
TEAM_ZX_STAGE
TEST_ARRAY
TEST_TABLE
TEST_TABLE1
TEST_TABLE2
ZX_BASKETBALL_PLAYER
ZX_COUNTRY_NAME
ZX_CRIME_CATEGORY
CATEGORY_ID
CATEGORY_NAME
DESCRIPTION_ID
PDID
ZX_CRIME_DESCRIPTION
DESCRIPTION_ID
DESCRIPTION_NAME
ZX_CUST
ZX_CUSTOMER1
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Find Database Object
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Reports
All Reports
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Data Dictionary Reports
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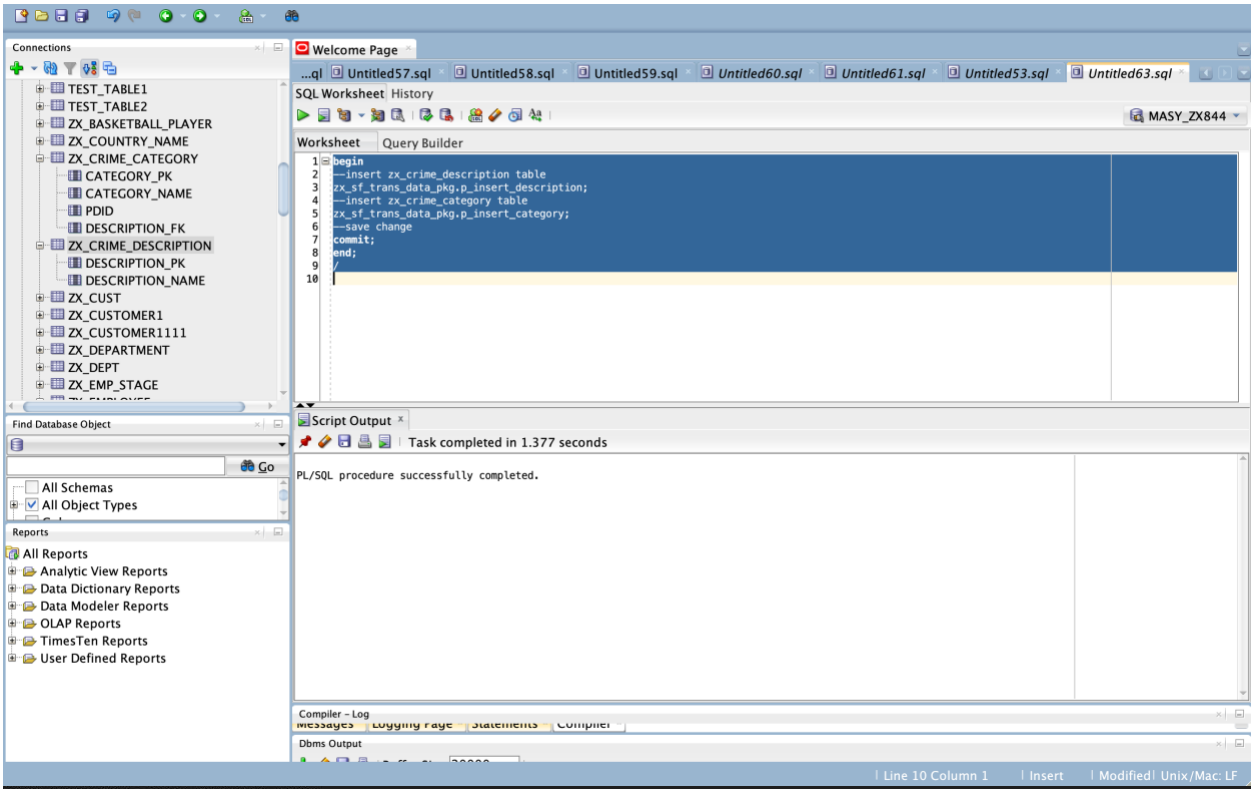
Welcome Page
ORACLE
Version: 18.4.0.376.1900
...ql
Untitled50.sql
Untitled51.sql
Untitled53.sql
Untitled54.sql
Untitled55.sql
Untitled56.sql
Untitled57.sql...
SQL Worksheet
History
MASY_ZX844
Worksheet
Query Builder
my_category_list.delete;
fetch cur_category bulk collect into my_category_list limit 1000;
forall indx in 1.. my_category_list.count
insert into zx_crime_category
values my_category_list(indx);
commit; --free up memory;
exit when cur_category%notfound;
end loop;
close cur_category;
v_end_time_nr:=dbms_utility.get_time();
v_elapsed_time_nr:=v_end_time_nr-v_start_time_nr;
dbms_output.put_line('Elapsed:'||v_elapsed_time_nr/100 ||' secs.');
end;
Script Output
Task completed in 4.183 seconds
PL/SQL procedure successfully completed.
Messages - Log
Dbms Output
Buffer Size: 20000
Line 58 Column 5
Insert
Modified
Unix/Mac: LF




```
Commit point reached - logical record count 1047735
Commit point reached - logical record count 1047756
Commit point reached - logical record count 1047777
Commit point reached - logical record count 1047798
Commit point reached - logical record count 1047819
Commit point reached - logical record count 1047840
Commit point reached - logical record count 1047861
Commit point reached - logical record count 1047882
Commit point reached - logical record count 1047903
Commit point reached - logical record count 1047924
Commit point reached - logical record count 1047945
Commit point reached - logical record count 1047966
Commit point reached - logical record count 1047987
Commit point reached - logical record count 1048008
Commit point reached - logical record count 1048029
Commit point reached - logical record count 1048050
Commit point reached - logical record count 1048071
Commit point reached - logical record count 1048092
Commit point reached - logical record count 1048113
Commit point reached - logical record count 1048134
Commit point reached - logical record count 1048155
Commit point reached - logical record count 1048176
Commit point reached - logical record count 1048197
Commit point reached - logical record count 1048218
Commit point reached - logical record count 1048239
Commit point reached - logical record count 1048260
Commit point reached - logical record count 1048281
Commit point reached - logical record count 1048302
Commit point reached - logical record count 1048323
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Table SF_CRIME_STAGE:
  1048575 Rows successfully loaded.

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for more information about the load.

SQL*Plus: Release 12.2.0.1.0 Production on Fri Nov 29 03:55:18 2019

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Last Successful login time: Fri Nov 29 2019 03:54:53 -05:00

Connected to:
Oracle Database 12c Enterprise Edition Release 12.2.0.1.0 - 64bit Production


PL/SQL procedure successfully completed.

SQL>
```