

# Lab 5

1.

Add a new row in the ORDERS table with the following data:  
Order# = 1021, Customer# = 1009, and Order date = July 20, 2009.

Rows10

Clear CommandFind Tables

SaveRun

insert into orders (order#, customer#, order\_date) values (1021, 1009, '20-jul-2009')

Results

ExplainDescribeSaved SQLHistory

1 row(s) inserted.

0.02 seconds

us\_b672\_sql\_s06us\_b672\_sql\_s06en

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Application Express 5.0.3.00.03

## 2. Modify the zip code on order 1017 to 33222.

Rows10

Clear CommandFind Tables

SaveRun

update orders  
set shipzip = 33222  
where order# = 1017

Results

ExplainDescribeSaved SQLHistory

1 row(s) updated.

0.01 seconds

https://academy3.oracle.com/ords3/f?p=4500:3002:6003388161015::NO::

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### 3. Save the changes permanently to the database.

Rows 10 Clear Command Find Tables Save Run

commit|

Results Explain Describe Saved SQL History

Commit statement not applicable. All statements are automatically committed.

<https://iacademy3.oracle.com/ords3/f?p=4500:1000:6003388161015::NO::>

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### 4. Add a new row in the ORDERS table with the following data: Order# = 1022, Customer# = 2000, and Order date = August 6, 2009. Describe the error raised and what caused the error.

Rows 10 Clear Command Find Tables Save Run

insert into orders (order#, customer#, orderdate)  
values (1022, 2000, '6-aug-2009')|

Results Explain Describe Saved SQL History

ORA-02291: integrity constraint (US\_B672\_SQL\_506.ORDERS\_CUSTOMER#\_FK) violated  
- parent key not found

0.00 seconds

<https://iacademy3.oracle.com/ords3/f?p=4500:3002:6003388161015::NO::>

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**It caused an error because the customer# does not follow the database key**

5. Add a new row in the ORDERS table with the following data:  
Order# = 1023 and Customer# = 1009. Describe the error raised  
and what caused the error.

Rows100

Clear CommandFind Tables

SaveRun

insert into orders (order#, customer#)  
values (1023, 1009)

ResultsExplainDescribeSaved SQLHistory

ORA-01400: cannot insert NULL into ("US\_B672\_SQL\_S06"."ORDERS"."ORDERDATE")

0.00 seconds

us\_b672\_sql\_s06 us\_b672\_sql\_s06 en

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**Tried to insert a value that would be considered NULL in a non-nullable value.**

6. Create a script using substitution variables that allows a user to set a new cost amount for a book based on the ISBN.

Rows20

Clear CommandFind Tables

SaveRun

update books  
set cost = '&Cost'  
where isbn = '&Isbn'

ResultsExplainDescribeSaved SQLHistory

0 row(s) updated.

0.01 seconds

us\_b672\_sql\_s06 us\_b672\_sql\_s06 en

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7. Execute the script and set the following values: isbn = 1059831198 and cost = \$20.00.

Rows10

Clear CommandFind Tables

SaveRun

update books  
set cost = 20.00  
where isbn = 1059831198

Results

ExplainDescribeSaved SQLHistory

1 row(s) updated.

0.03 seconds

8. Execute a command that undoes the change in Step 7.

Rows10

Clear CommandFind Tables

SaveRun

rollback

Results

ExplainDescribeSaved SQLHistory

Rollback statement not applicable. All statements are automatically committed.

## 9. Delete Order# 1005. You need to address both the master order record and the related detail records.

Rows10

Clear CommandFind Tables

SaveRun

delete from orderitems  
where order# = '1005'

Results

ExplainDescribeSaved SQLHistory

1 row(s) deleted.

0.02 seconds

## 10. Execute a command that undoes the previous deletion.

Rows10

Clear CommandFind Tables

SaveRun

rollback

Results

ExplainDescribeSaved SQLHistory

Rollback statement not applicable. All statements are automatically committed.