*Edson Sanchez* CIT/ITI-2180 Foundations of Data and Database Management

**5-1**

INSERT INTO orders (

order#,

customer#,

orderdate

) VALUES (

1021,

1009,

'20-JUL-2009 '

);

1 row inserted.

**5-2**

UPDATE orders

SET

shipzip = '33222'

WHERE

order# = 1017;

1 row updated.

**5-3**

commit;

Commit complete.

**5-4**

INSERT INTO orders (

order#,

customer#,

orderdate

) VALUES (

1022,

2000,

'6-AUG-2009'

);

Error starting at line : 1 in command -

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

Error report -

ORA-02291: integrity constraint (ERSANCHEZ.ORDERS\_CUSTOMER#\_FK) violated - parent key not found

The error above comes from the fact that there is not a customer with the customer# of 2000 in the customers table. Therefore, since it is a foreign key in the orders table without a primary key to reference, the error is given.

**5-5**

INSERT INTO orders (

order#,

customer#

) VALUES (

1023,

1009

);

Error starting at line : 1 in command -

INSERT INTO orders (

order#,

customer#

) VALUES (

1023,

1009

)

Error report -

ORA-01400: cannot insert NULL into ("ERSANCHEZ"."ORDERS"."ORDERDATE")

The error above shows up because we did not enter a date for the order and there is a constraint on the table that the order date cannot be Null so an error is given letting us know we must insert a date into that row.

**5-6 (not from the book)**

UPDATE books

SET

cost = 20.00

WHERE

isbn = '1059831198';

1 row updated.

**5-7 (not from the book)**

ALTER TABLE books MODIFY (

category VARCHAR2(20)

);

Table BOOKS altered.

UPDATE books

SET

category = 'HEALTH AND FITNESS'

WHERE

category = 'FITNESS';

commit;

1 row updated.

Commit complete.

**5-8 (not from the book)**

ROLLBACK;

Rollback complete.

The changes done in numbers 6 and 7 are not undone because the rollback command reverts changes up until the last commit command. Since we just committed in problem 7, there are no commands for the rollback to undo.

**5-9**

DELETE FROM orderitems

WHERE

order# = 1005;

DELETE FROM orders

WHERE

order# = 1005;

1 row deleted.

1 row deleted.

**5-10**

ROLLBACK;

Rollback complete.