

Transaction

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Creating Transactions and Committing New Data

- **Transaction:** series of action queries that represent a logical unit of work
- User can commit (save) changes
- User can roll back (discard) changes
- **Pending transaction:** a transaction waiting to be committed or rolled back
- Oracle DBMS locks records associated with pending transactions
- Other users cannot view or modify locked records

Commit and Roll Back in SQL*Plus

- Transactions begin automatically with first command
- Type COMMIT to commit changes
- Type ROLLBACK to roll back changes

```
Oracle SQL*Plus
File Edit Search Options Help
SQL> INSERT INTO orders VALUES
  2 (1, TO_DATE('05/29/2006', 'MM/DD/YYYY'), 'CC', 1, 2);
1 row created.
SQL> ROLLBACK;
Rollback complete.
SQL> SELECT * FROM orders;
no rows selected
```

Figure 3-5 Rolling back a transaction