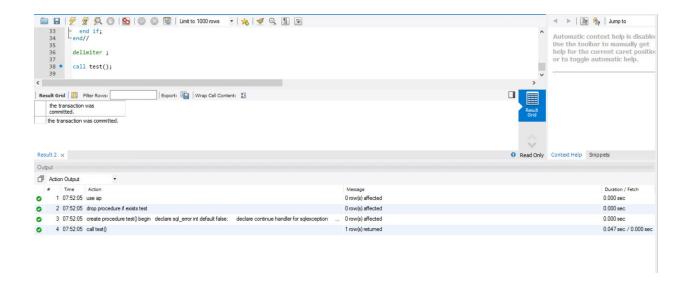
Chapter 14

1.)

```
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     3 • drop procedure if exists test;
          delimiter //
   create procedure test()

begin
declare sql_error int default false;
   10
11
12
            declare continue handler for sqlexception
  set sql_error = true;
   13
14
            start transaction;
   15
16
             update invoices
             set vendor_id = 123
   17
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           update invoices
set vendor_id = 123
where vendor_id = 122;
  16
17
18
19
20
21
22
23
24
25
26
27
         delete from vendors
where vendor_id = 122;
           update vendors
            set vendor_name = 'fedup'
where vendor_id = 123;
       if sql_error = false then
   28
29
              commit;
select 'the transaction was committed.';
             else rollback; select 'the transaction was rolled back.';
   30
31
   32
 23
24
             update vendors
set vendor_name = 'fedup'
where vendor_id = 123;
    25
    26
27
        if sql_error = false then
commit;
select 'the transaction was committed.';
    28
29
           else
rollback;
select 'the transaction was rolled back.';
    30
31
        select
end if;
end//
    32
    33
        delimiter;
    37
38 • call test();
    39
<
Output ::
```



2.)

```
□ □ □ | \( \frac{\psi}{2} \) \( \frac{\psi}{2} \) \( \frac{\psi}{2} \) \( \frac{\psi}{20} \) | \( \frac{\psi}{20} \) | \( \omega \) \( \omega \) \( \omega \) | \( \omega \) \( \omega \) | \( \omega \) \( \omeg
  1 • use ap;
              3 • drop procedure if exists test;
                                       delimiter //
                                        create procedure test()
                                                  declare sql_error int default false;
                                        declare continue handler for sqlexception
    set sql_error = true;
          11
12
          13
14
15
                                           start transaction;
                                          delete from invoice_line_items
where invoice_id = 114;
           16
17
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                                                 delete from invoices
where invoice_id = 114;
   19
           21
           22
                                                  commit;
          24
25
26
27
                             if sql_error = false then
                                                  commit;
select 'the transaction was committed.';
                                         else
rollback;
select 'the transaction was rolled back.';
           28
           30
31
32
                                                end if;
                                       delimiter;
                                        call test();
```

