

BD2

TRANSACCIONES

SERGIO ÁLVAREZ

VERSIÓN 1.0

AUTO COMMIT

ORACLE ACADÉMICO

Re: Oracle: PLSQL Accounts for Oracle Application Express -
Universidad de Medellin



academy_ww <academy_ww@oracle.com>

20/04/2020 6:58 a. m.

Para: Sergio Alberto Álvarez Pérez

Hello Sergio - in iAcademy APEX accounts (as those you have received in email below) **it is not possible to turn AutoCommit on or off** - if you are using an Autonomous Database on the Cloud it **is possible**.

To see if your students are eligible and view our resources for getting started with the Oracle Academy Cloud Program - see the APEX Startup Guide available here
[:http://ilearningcontent.oracle.com/content/public/oracle_acad/ACADEMY_COURSE_RESOURCES/Cloud_Resources/index.html](http://ilearningcontent.oracle.com/content/public/oracle_acad/ACADEMY_COURSE_RESOURCES/Cloud_Resources/index.html)

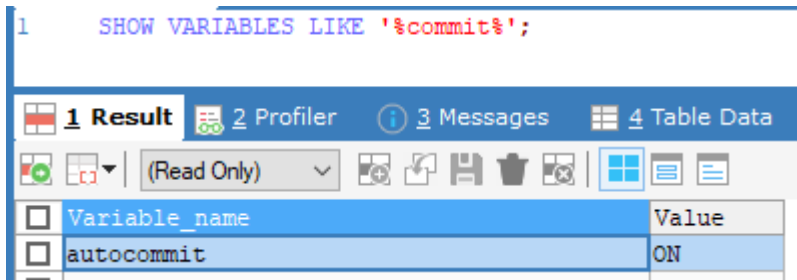
Let us know if you have more questions.

Lisa Palombo
Oracle Academy

MYSQL

Consultar el modo

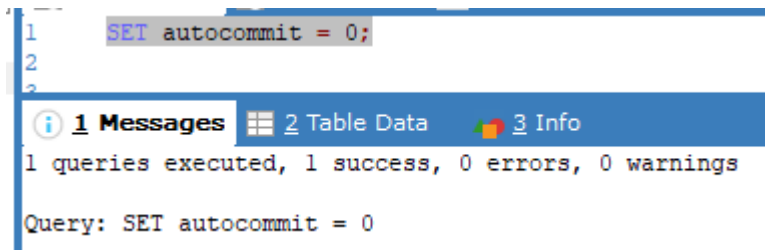
```
1 SHOW VARIABLES LIKE '%commit%';
```



Variable_name	Value
autocommit	ON

Cambiarlo para una transacción

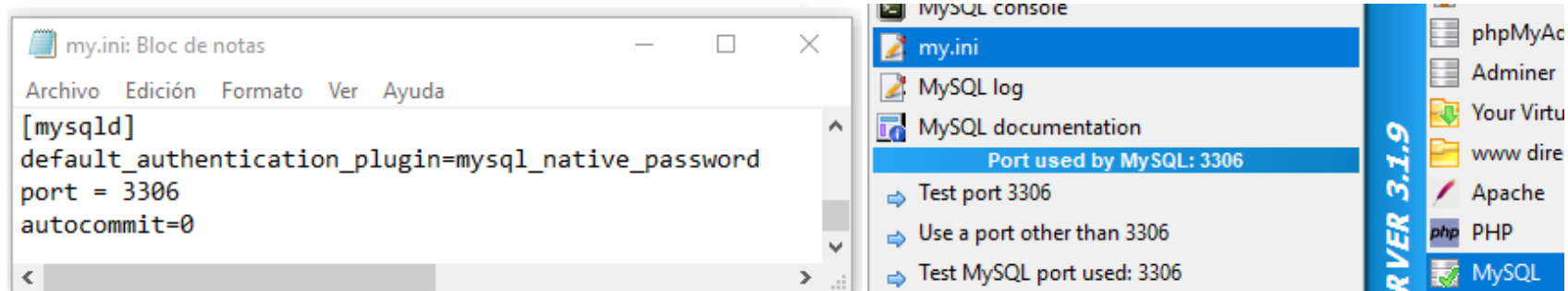
```
1 SET autocommit = 0;
```



1 queries executed, 1 success, 0 errors, 0 warnings

Query: SET autocommit = 0

Cambiarlo permanentemente



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TRANSACCIONES

```
1  DECLARE
2      importe NUMBER;
3      ctaOrigen VARCHAR2(23);
4      ctaDestino VARCHAR2(23);
5  BEGIN
6      importe := 100;
7      ctaOrigen := '2530 10 2000 1234567890';
8      ctaDestino := '2532 10 2010 0987654321';
9      /*Actualizar Cuentas*/
10     UPDATE CUENTAS
11         SET SALDO = SALDO - importe
12         WHERE CUENTA = ctaOrigen;
13     UPDATE CUENTAS
14         SET SALDO = SALDO + importe
15         WHERE CUENTA = ctaDestino;
16     /*Insertar detalle movimientos*/
17     INSERT INTO MOVIMIENTOS
18         VALUES (ctaOrigen, ctaDestino, importe*(-1), SYSDATE);
19     INSERT INTO MOVIMIENTOS
20         VALUES (ctaDestino, ctaOrigen, importe, SYSDATE);
21     COMMIT; /*Cometer todas las operaciones*/
22 EXCEPTION
23     WHEN OTHERS THEN
24         dbms_output.put_line('Error en la transaccion: ' || SQLERRM);
25         dbms_output.put_line('Se deshacen las modificaciones');
26         ROLLBACK; /*Deshacer las operaciones que se realizaron*/
27 END;
```

MYSQL

TRANSACCIONES MYSQL (1/2)

```
CREATE PROCEDURE `sp_fail`()
BEGIN
    DECLARE `_rollback` BOOL DEFAULT 0;
    DECLARE CONTINUE HANDLER FOR SQLEXCEPTION SET `_rollback` = 1;
    START TRANSACTION;
    INSERT INTO `tablea` (`date`) VALUES (NOW());
    INSERT INTO `tableb` (`date`) VALUES (NOW());
    INSERT INTO `tablec` (`date`) VALUES (NOW()); -- FAIL
    IF `_rollback` THEN
        ROLLBACK;
    ELSE
        COMMIT;
    END IF;
END$$
```


TRANSACCIONES MYSQL (1/2)

```
CREATE PROCEDURE `sp_fail`()
BEGIN
    DECLARE EXIT HANDLER FOR SQLEXCEPTION
    BEGIN
        ROLLBACK; -- rollback any changes made in the transaction
        RESIGNAL; -- raise again the sql exception to the caller
    END;

    START TRANSACTION;
    insert into myTable values1 ...
    IF fail_condition_meet THEN
        SIGNAL SQLSTATE '45000' SET MESSAGE_TEXT = 'Custom error detected.';
    END IF;
    insert into myTable values2 ... -- this will not be executed
    COMMIT; -- this will not be executed
END$$
```

