# Usuarios y Permisos

1.- Implementación del objeto Generator para autoincrementar el ID de la tabla CLIENTE

Crear Usuario para la base de datos del ejercicio Implementación del ID de la tabla CLIENTE AUTOINCREMENTAL.

```
cre romer
File Edit
       View History Statement
1
   2
     -- DROP USER romer ;
   3
   4
   5 CREATE USER romer
     PASSWORD 'romer'
       FIRSTNAME 'Juan'
         MIDDLENAME 'Carlos'
   9
          LASTNAME 'Romer';
  10
  11
  12
```

#### Crear ROL

Asignar permiso de SELECT al ROL y asignar el ROL al USUARIO

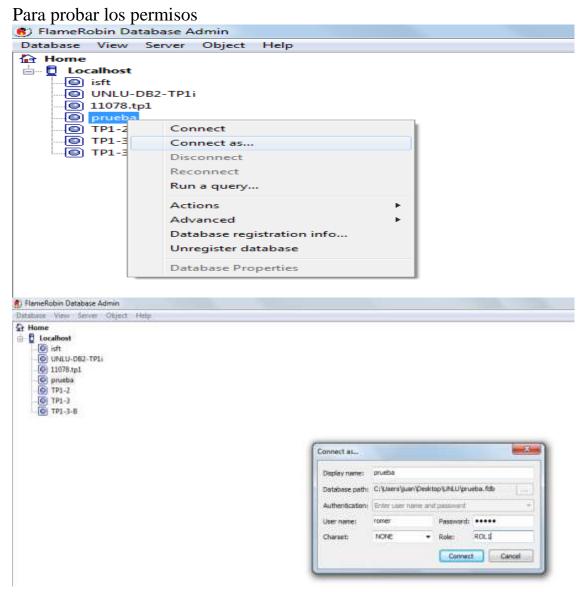
```
grnt CLIENTE

File Edit View History Statement Grid

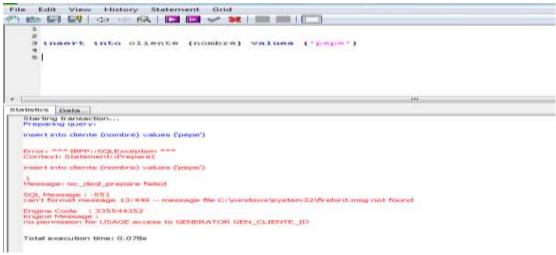
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```

Hasta aquí conectado a la base de datos como usuario SYSDBA

Desconectarse como SYSDBA de la base de datos y conectarse como usuario común

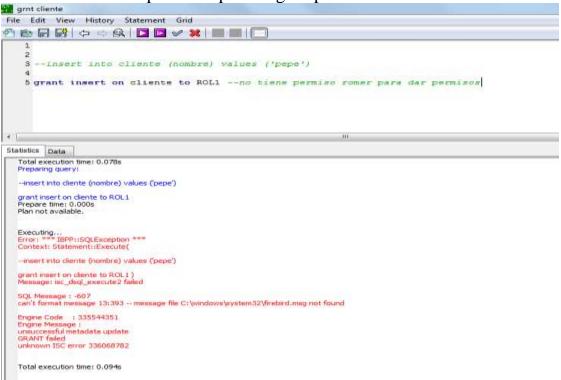


#### Intentar hacer un INSERT en la tabla CLIENTE

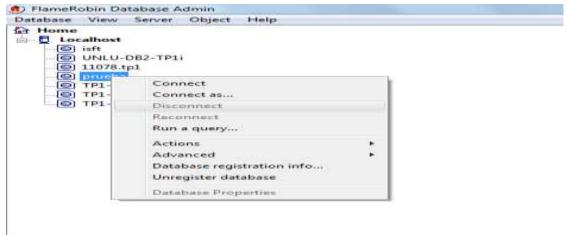


El usuario no tiene permiso sobre el objeto GEN\_CLIENTE\_ID

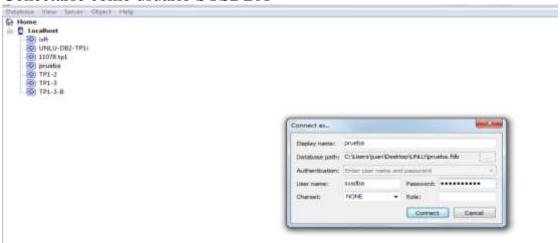
El usuario no tiene permisos para asignar permisos



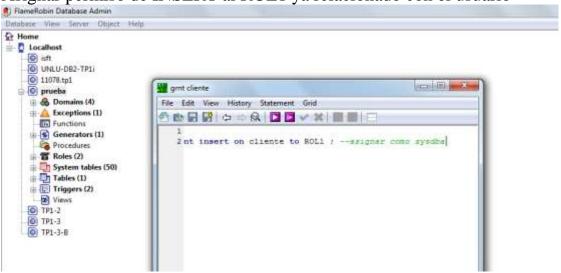
#### Desconectarse como usuario común



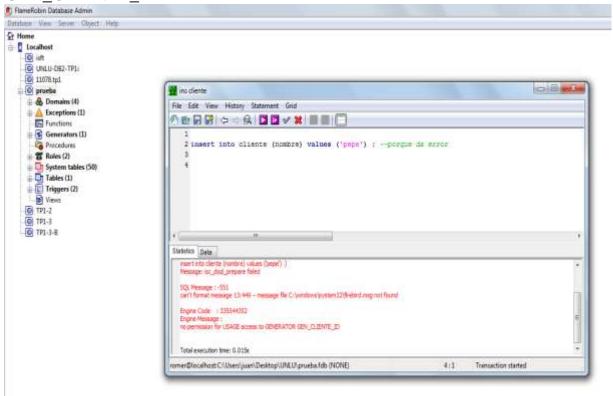
#### Conectarse como usuario SYSDBA



## Asignar permiso de INSERT al ROL1 ya relacionado con el usuario



Disconnect como SYSDBA Connect as romer con ROL1 El usuario tiene permiso de INSERT pero sigue sin permiso sobre el objeto GEN\_CLIENTE\_ID



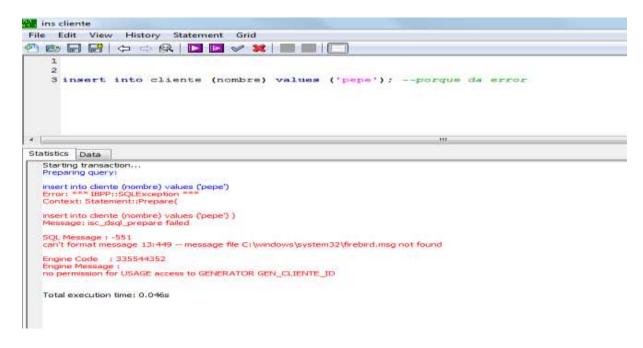
Disconnect como usuario común Connect as sysdba

Asignar permiso de UPDATE al ROL1 ya relacionado con el usuario



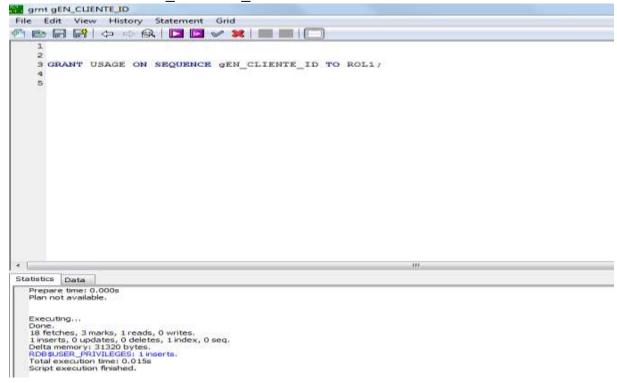
Disconnect como sysdba Connect as romer

El usuario tiene permiso de SELECT, INSERT Y UPDATE pero sigue sin permiso sobre el objeto GENERATOR GEN\_CLIENTE\_ID



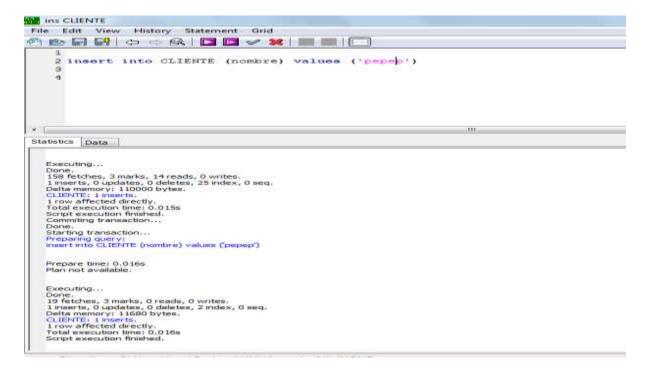
Disconnect como usuario común Connect as sysdba

AHORA SI ......VAMOS A ASIGNAR PERMISO AL OBJETO GENERATOR GEN\_CLIENT\_ID



Disconnect como sysdba Connect as romer

Ahora funciona



¿Qué pasa ahora en el UPDATE si ya tiene permiso? No tiene permiso el usuario sobre el objeto EXCEPTION EX\_CLIENTE1

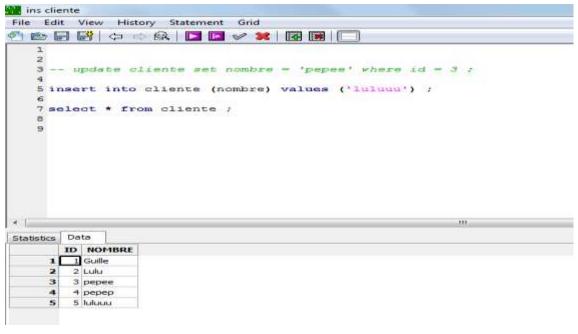
## Disconnect como usuario común - Connect as sysdba

Asignar permiso sobre el objeto EXCEPTION EX\_CLIENTE1



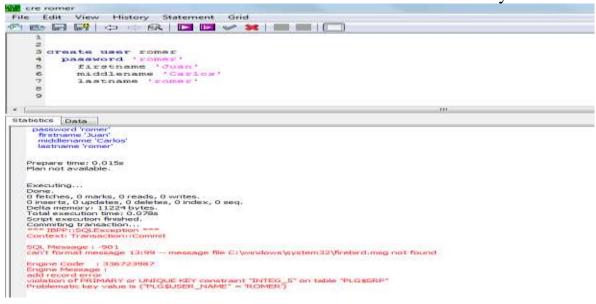
## Disconnect como sysdba Connect as romer

Comprobar los permisos para UPDATE, INSERT y SELECT en la tabla CLIENTE

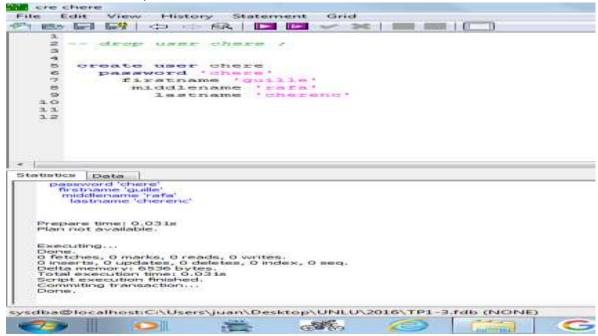


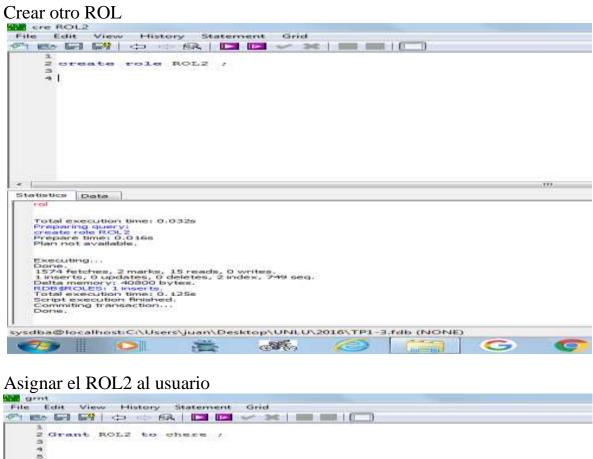
3- Implementación de tipo A cantidad de ítem en afactura con Afactura\_Aux

Crear USUARIO PARA LA BASE DE DATOS. Error el usuario ya existe



Crear otro usuario, no necesariamente



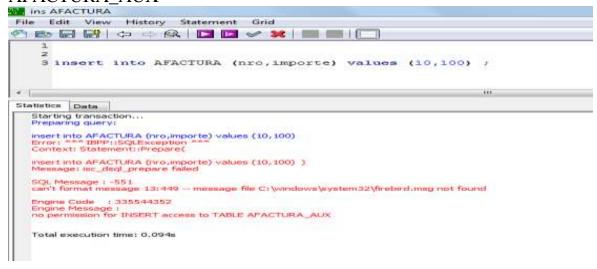




## Disconnect como sysdba Connect as chere

Probar INSERT en la tabla AFACTURA

Trigger TRG\_AIAFACTURA no tiene permiso de INSERT en tabla AFACTURA\_AUX



#### Disconnect

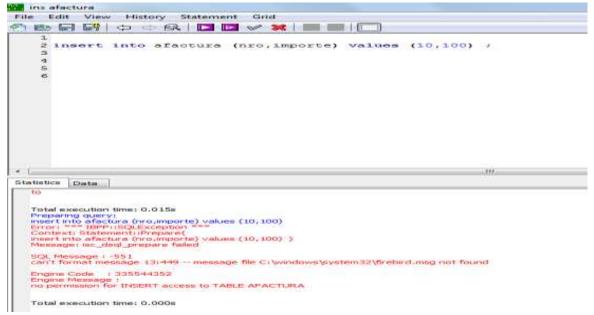
Connect as sysdba

Asignar permiso de INSERT en tabla AFACTURA\_AUX al trigger TRG AIAFACTURA



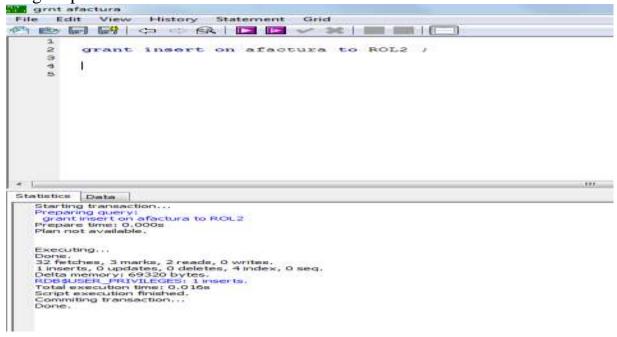
## Disconnect como sysdba Connect as chere

#### Probar INSERT en la tabla AFACTURA



## Disconnect como chere Connect as sysdba

Asignar permiso de INSERT en tabla AFACTURA



## Disconnect sysdba Connect as chere

#### Probar INSERT en tabla AFACTURA

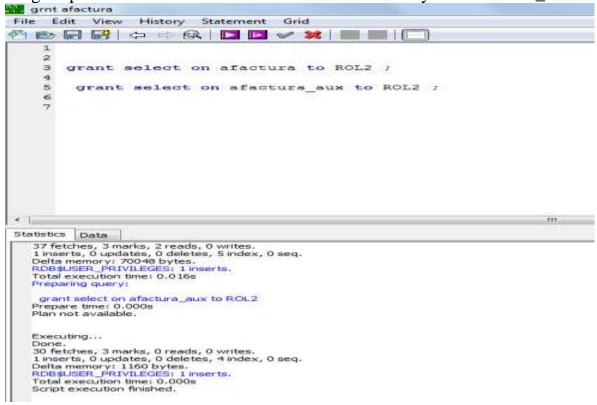


## Probar SELECT en tabla AFACTURA



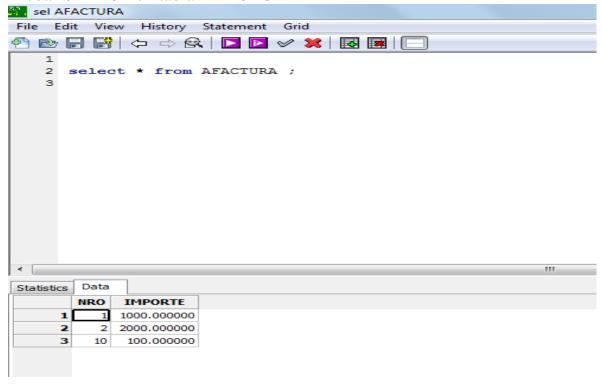
## Disconnect chere Connect as sysdba

Asignar permiso de SELECT a las tablas AFACTURA y AFACTURA\_AUX

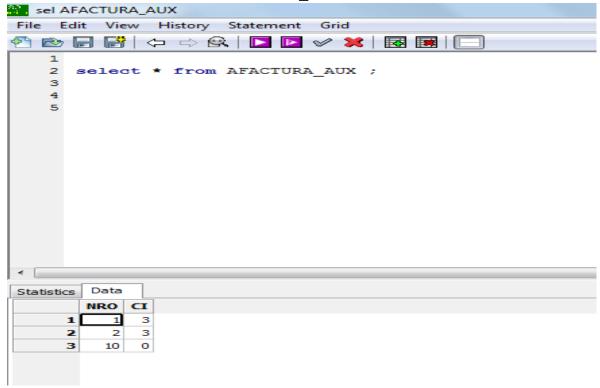


## Disconnect como sysdba Connect as chere

#### Probar SELECT en tabla AFACTURA



## Probar SELECT en tabla AFACTURA\_AUX

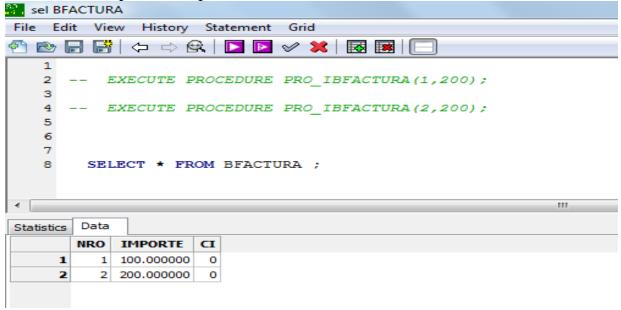


Implementación de cantidad de ítem de la factura TIPO B sin tabla de factura auxiliar

Crear un store procedure para insertar una fila en la tabla BFACTURA

```
alt PRO_IBFACTURA
File Edit View History Statement Grid
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   3 SET TERM ^ :
   4
   5 ALTER PROCEDURE PRO_IBFACTURA (
        NROFAC Integer,
        IMPORTEFAC Double precision )
   9 DECLARE VARIABLE VNRO
                               TYPE OF COLUMN BFACTURA.NRO;
     DECLARE VARIABLE VIMPORTE TYPE OF COLUMN BFACTURA. IMPORTE;
  10
  11
  12 BEGIN
  13
  14
        :VNRO = NROFAC ;
  15
        :VIMPORTE = IMPORTEFAC ;
  16
       insert INTO BFACTURA (NRO, IMPORTE) values (:VNRO,:VIMPORTE);
  17
  18 END^
  19 SET TERM ; ^
  20
  21
  22 GRANT EXECUTE
  23 ON PROCEDURE PRO_IBFACTURA TO SYSDBA WITH GRANT OPTION;
  24
  25
```

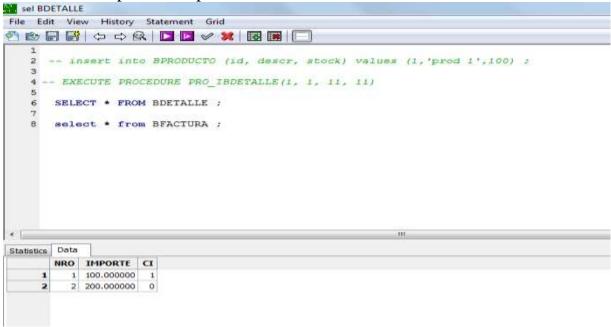
Probar el store procedure para insertar facturas



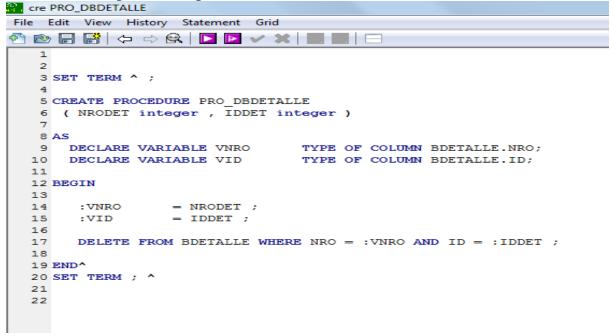
Crear un store procedure para insertar una fila en BDETALLE

```
alt PRO_IBDETALLE
File Edit View History Statement Grid
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   4 SET TERM ^ ;
   5 ALTER PROCEDURE PRO_IBDETALLE (
        NRODET Integer,
         IDDET Integer,
        CANTIDADDET Integer,
        PRECIODET Double precision )
  10 AS
  11 DECLARE VARIABLE VNRO
                                 TYPE OF COLUMN BDETALLE.NRO;
      DECLARE VARIABLE VID
                                 TYPE OF COLUMN BDETALLE.ID;
  13 DECLARE VARIABLE VCANTIDAD TYPE OF COLUMN BDETALLE.CANTIDAD;
  14 DECLARE VARIABLE VPRECIO TYPE OF COLUMN BDETALLE.PRECIO;
  15
  16 BEGIN
  17
                = NRODET ;
= IDDET ;
        :VNRO
  18
       :VID
  19
       :VCANTIDAD = CANTIDADDET ;
  20
       :VPRECIO = PRECIODET ;
  21
  22
       insert INTO BDETALLE (NRO,ID,CANTIDAD,PRECIO) values (:VNRO,:VID,:VCANTIDAD,:VPRECIO);
  23
  24
  25 END^
  26 SET TERM ; ^
  27
  28
  29 GRANT EXECUTE
  30 ON PROCEDURE PRO_IBDETALLE TO SYSDBA WITH GRANT OPTION;
  31
  32
```

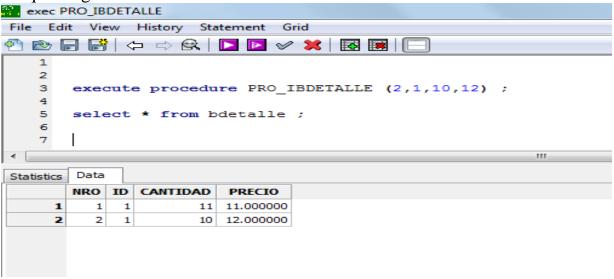
Probar el store procedure para insertar filas en detalle



Crear un store procedure para hacer delete de la tabla BDETALLE



Lo que tengo en la tabla BDETALLE



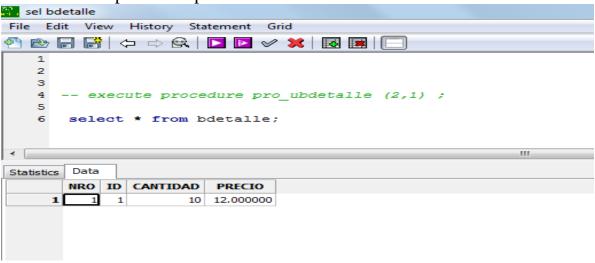
Probar el store procedure para eliminar una fila de la tabla BDETALLE



Crear un store procedure para modificar NRO en la tabla BDETALLE

```
cre PRO_UBDETALLE
File Edit View History Statement Grid
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   3 SET TERM ^ ;
   5 CREATE PROCEDURE PRO_UBDETALLE
    6 ( NROOLD INTEGER , NRONEW integer )
   8 AS
      DECLARE VARIABLE VNROOLD
DECLARE VARIABLE VNRONEW
                                    TYPE OF COLUMN BDETALLE.NRO;
TYPE OF COLUMN BDETALLE.NRO;
   9
  10
  11
  12 BEGIN
  13
        :VNROOLD = NROOLD ;
  14
        :VNRONEW = NRONEW ;
  15
  16
        update BDETALLE set nro = :VNROnew where nro = :VNROold ;
  17
  18
  19 END^
  20
  21 SET TERM ; ^
  22
  23
```

Probar el store procedure para modificar NRO en la tabla BDETALLE



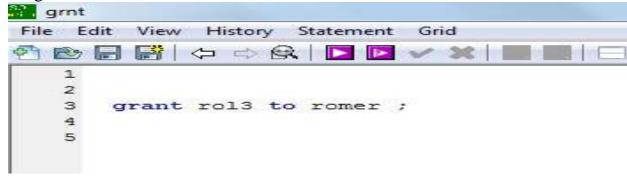
Hasta aquí todo funciono porque el usuario es SYSDBA, ahora vamos a cambiar de usuario con un rol nuevo.

Creamos un nuevo Rol

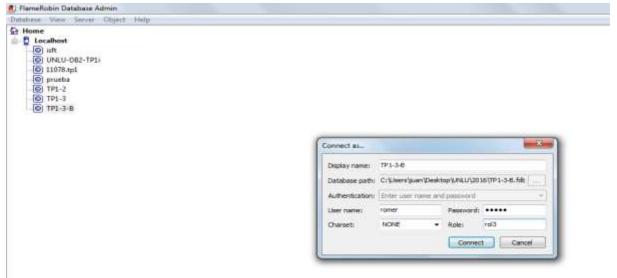
```
File Edit View History Statement Grid

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```

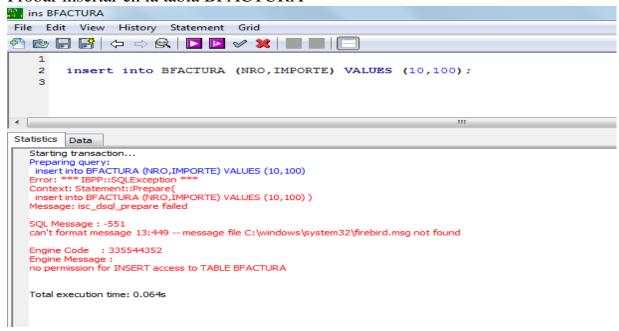
#### Asignar rol3 al usuario romer



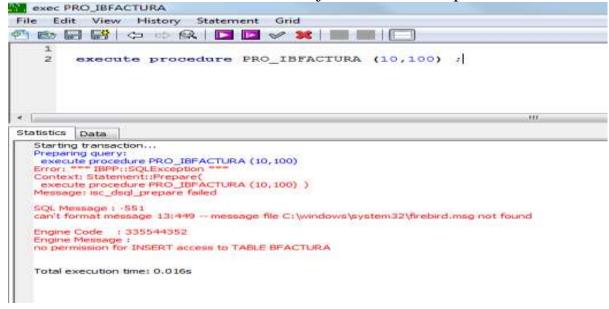
#### Cambiar de usuario de SYSDBA a romer



#### Probar insertar en la tabla BFACTURA



Probar insertar en la tabla BFACTURA ejecutando el store procedure.



## Disconnect como romer Connect como sysdba

Asignar permiso de insert en bfactura al store procedure pro\_ibfactura

```
grnt BFACTURA
File Edit View History Statement Grid
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   1
   2
   3 grant insert on BFACTURA to PRO IBFACTURA ;
   4
   5
    6
grnt PRO_IBFACTURA
File Edit View History Statement Grid
연 🖎 🖟 🚰 🗘 🗘 🔼 🔼 💆 🗸 🕷
   1
   2
   3
       GRANT execute ON procedure PRO IBFACTURA to rol3 ;
   4
   5
```

## Disconnect como sysdba Connect como romer

Probar store pro\_ibfactura

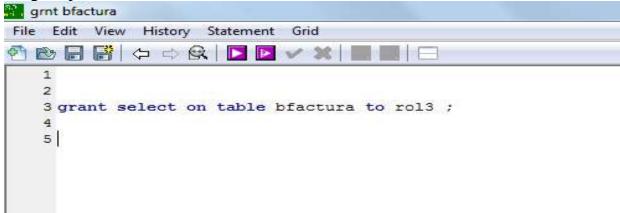
```
exec PRO_IBFACTURA

File Edit View History Statement Grid

1
2
3 execute procedure PRO_IBFACTURA (10,100) ;
4
5
```

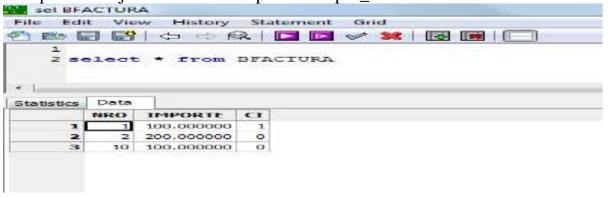
Disconnect como romer Connect como sysdba

Asignar permiso de select en table bfactura en rol3



Disconnect como sysdba Connect como romer

Comprobar la ejecución del store procedure pro\_ibfactura



Comprobar un insert en bfactura con la cláusula INSERT sin usar el store procedure



#### Tarea

- 1) Realizar el store procedure para modificar la factura.
- 2) Asignar los permisos necesarios para que el usuario solo pueda modificar la factura ejecutando el store procedure.
- 3) Realizar el store procedure para eliminar una factura.
- 4) Asignar los permisos necesarios para que el usuario solo pueda eliminar la factura ejecutando el store procedure.
- 5) Realizar el store procedure para eliminar un detalle de factura.
- 6) Asignar los permisos necesarios para que el usuario solo pueda eliminar un detalle de la factura ejecutando el store procedure.
- 7) Comprobar el buen funcionamiento de lo hecho.