

Recyclean

Diseño y Creación De La Base de Datos

Aprendiz:

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Programa:

Análisis y Desarrollo De Sistemas De Información

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Santander De Quilichao, Cauca 09/12/2022

Procedure

The top screenshot shows the MySQL Workbench interface with the 'listar mujeres' script executed successfully. The script contains the following SQL code:

```
1 use citas;
2 create procedure
3 listar_mujeres(vsex varchar(1))
4 select * from pacientes
5 where PacSexo=vsex;
```

The output table shows the following data:

#	Time	Action	Message	Duration / Fetch
73	08:28:34	DROP PROCEDURE 'citas', 'listarfisioterapia'	0 row(s) affected	0.015 sec
74	08:28:35	Use citas	0 row(s) affected	0.000 sec
75	08:28:35	create procedure listarfisioterapia(pso text) select pac.PacIdentificacion, pac.PacNom...	0 row(s) affected	0.000 sec
76	08:28:40	call listarfisioterapia('Fisio Terapia')	0 row(s) returned	0.000 sec / 0.000 sec
77	08:29:00	call listarfisioterapia('Fisio Terapia')	2 row(s) returned	0.000 sec / 0.000 sec
78	08:36:27	insert into pacientes(PacIdentificacion, PacNombre, PacApellidos, PacFechaNacimie...	1 row(s) affected	0.016 sec

The bottom screenshot shows the same MySQL Workbench interface with the 'listar consultorios' script executed, resulting in an error. The script contains the following SQL code:

```
1 use citas;
2 create procedure
3 listarconsultorios()
4 select * from consultorios;
```

The output table shows the following data:

#	Time	Action	Message	Duration / Fetch
72	08:28:09	call listarfisioterapia('Fisio Terapia')	Error Code: 1054. Unknown column 'ac.pacidentificacion' in 'on clause'	0.000 sec
73	08:28:34	DROP PROCEDURE 'citas', 'listarfisioterapia'	0 row(s) affected	0.015 sec
74	08:28:35	Use citas	0 row(s) affected	0.000 sec
75	08:28:35	create procedure listarfisioterapia(pso text) select pac.PacIdentificacion, pac.Pacnom...	0 row(s) affected	0.000 sec
76	08:28:40	call listarfisioterapia('Fisio Terapia')	0 row(s) returned	0.000 sec / 0.000 sec
77	08:29:00	call listarfisioterapia('Fisio Terapia')	2 row(s) returned	0.000 sec / 0.000 sec

The error message indicates: "Error Code: 1054. Unknown column 'ac.pacidentificacion' in 'on clause'".

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHMAS

Filter objects

- citad
- ciudad
- consultorios
- medicos
- pacientes
 - PacIdentificacion
 - PacNombre
 - PacApellidos
 - PacFechaNacimiento
 - PacSexo

Administration Schemas

Information

Column: PacSexo

Collation: utf8mb4_0900_ai_ci

Definition:

PacSexo enum('M','F')

Object Info Session

Added new script editor

contar pacientes listar consultorios lista pacientes ordenamiento apellidos Listar Fisioterapia .SQL File 18* listar mujeres

Limit to 1000 rows

```

1 • Use citas;
2 • create procedure listarfisioterapia(tipo text)
3   select pac.PacIdentificacion, pac.PacNombre,
4   pac.PacApellidos, tra.TraDescripcion
5   from pacientes as pac inner join tratamientos as
6   tra on pac.PacIdentificacion=tra.TraPacientes
7   where pac.PacIdentificacion=tra.TraPacientes
8   and tra.TraDescripcion=tipo

```

Output

#	Time	Action	Message	Duration / Fetch
73	08:28:34	DROP PROCEDURE 'citas'.listarfisioterapia	0 row(s) affected	0.015 sec
74	08:28:35	Use citas	0 row(s) affected	0.000 sec
75	08:28:35	create procedure listarfisioterapia(tipo text) select pac.PacIdentificacion, pac.PacNombre,	0 row(s) affected	0.000 sec
76	08:28:40	call listarfisioterapia("Fisio Terapia")	0 row(s) returned	0.000 sec / 0.000 sec
77	08:29:00	call listarfisioterapia("Fisio Terapia")	2 row(s) returned	0.000 sec / 0.000 sec
78	08:36:27	insert into pacientes(PacIdentificacion, PacNombre, PacApellidos, PacFechaNacimiento...	1 row(s) affected	0.016 sec

8:38 a. m.
9/12/2022

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHMAS

Filter objects

- TraObservaciones
- TraPacientes
- Indexes
- Foreign Keys
- Triggers
- Views
- Stored Procedures
 - listaconsultorios
 - listamujeres
 - listapacientes
 - listarfisioterapia
 - ordenamientoapellidos

Administration Schemas

Information

No object selected

Object Info Session

contar pacientes listar consultorios lista pacientes ordenamiento apellidos listar mujeres Listar Fisioterapia

Limit to 1000 rows

```

1 • Use citas;
2 • create procedure
3   listapacientes()
4   select pacIdentificacion, PacNombre, PacApellidos, PacFechaNacimiento from pacientes

```

Output

#	Time	Action	Message	Duration / Fetch
72	08:28:09	call listarfisioterapia("Fisio Terapia")	Error Code: 1054. Unknown column 'acpacidentificacion' in 'on clause'	0.000 sec
73	08:28:34	DROP PROCEDURE 'citas'.listarfisioterapia	0 row(s) affected	0.015 sec
74	08:28:35	Use citas	0 row(s) affected	0.000 sec
75	08:28:35	create procedure listarfisioterapia(tipo text) select pac.PacIdentificacion, pac.PacNombre,	0 row(s) affected	0.000 sec
76	08:28:40	call listarfisioterapia("Fisio Terapia")	0 row(s) returned	0.000 sec / 0.000 sec
77	08:29:00	call listarfisioterapia("Fisio Terapia")	2 row(s) returned	0.000 sec / 0.000 sec

SQL script saved to "C:\Users\andre\OneDrive\Escritorio\trabajos\Base de Datos\Pruebas\Call listar Fisioterapia.sql"

8:33 a. m.
9/12/2022

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- TrasObservaciones
- TrasPacientes
 - Indexes
 - Foreign Keys
 - Triggers
- Views
- Stored Procedures
 - listaconsultorios
 - listamujeres
 - listapacientes
 - listafisioterapia
 - ordenamientoapellidos
- Administration
- Schemas

Information

No object selected

Object Info Session

contar pacientes listar consultorios lista pacientes **ordenamiento apellidos** listar mujeres Listar FisioTerapia

Limit to 1000 rows

```
1 Use citas;
2 create procedure
3 ordenamientoapellidos()
4 select PacIdentificacion, PacNombre, PacApellidos, PacFechaNacimiento
5 from pacientes Order by pacApellidos
```

Output

Action Output

#	Time	Action	Message	Duration / Fetch
72	08:28:09	call listafisioterapia("Fisio Terapia")	Error Code: 1054. Unknown column 'ac.pacidentificacion' in 'on clause'	0.000 sec
73	08:28:34	DROP PROCEDURE 'citas', 'listafisioterapia'	0 row(s) affected	0.015 sec
74	08:28:35	Use citas	0 row(s) affected	0.000 sec
75	08:28:35	create procedure listafisioterapia(pfo text) select pac.PacIdentificacion, pac.PacNom...	0 row(s) affected	0.000 sec
76	08:28:40	call listafisioterapia("Fisio Terapia")	0 row(s) returned	0.000 sec / 0.000 sec
77	08:29:00	call listafisioterapia("Fisio Terapia")	2 row(s) returned	0.000 sec / 0.000 sec

SQL script saved to 'C:\Users\andre\OneDrive\Escritorio\trabajos\Base de Datos\Datos\Pruebas\Call listar FisioTerapia.sql'

Windows taskbar: 8:33 a. m. 9/12/2022

Functions

The screenshot shows the MySQL Workbench interface with a local instance of MySQL 8.0. The left sidebar displays the 'SCHEMAS' tree, with 'contarpacientes' selected under the 'Functions' folder. The main editor window contains the following SQL code:

```
1 delimiter //
2 create function valormaximo()
3 returns int
4 begin
5 declare valor int;
6 select max(MedIdentificacion) into valor
7 from medicos;
8 return valor;
9 end;
10
11 select valormaximo();
```

The 'Result Grid' shows the output of the function call:

valormaximo()
1144084756

The 'Action Output' pane shows the execution details:

#	Time	Action	Message	Duration / Fetch
116	09:57:53	create function valormaximo() returns int begin declare valor int; select max(MedIdentifi...	0 row(s) affected	0.046 sec
117	09:57:53	create function valormaximo() returns int begin declare valor int; select max(MedIdentifi...	1 row(s) returned	- / 0.000 sec

SQL script saved to: 'C:\Users\andre\OneDrive\Escritorio\trabajos\Base de Datos\Datos\Pruebas\Funciones\valor maximo.sql'

The screenshot shows the MySQL Workbench interface with a local instance of MySQL 8.0. The left sidebar displays the 'SCHEMAS' tree, with 'contarpacientes' selected under the 'Functions' folder. The main editor window contains the following SQL code:

```
1 delimiter //
2 create function
3 contarpacientes()
4 returns int
5 begin
6 declare cantidad int;
7 select count(*) into cantidad
8 from pacientes;
9 return cantidad;
10 end
11 //
12 select contarpacientes();
```

The 'Result Grid' shows the output of the function call:

contarpacientes()
14

The 'Action Output' pane shows the execution details:

#	Time	Action	Message	Duration / Fetch
112	09:51:12	call contarpacientes()	Error Code: 1305. PROCEDURE citas.contarpacientes does not exist	0.015 sec
113	09:51:23	call contarpacientes()	Error Code: 1305. PROCEDURE citas.contarpacientes does not exist	0.000 sec

Query Completed

Triggers

MySQL Workbench interface showing the creation of a trigger named `auditoria_Modificaciones` on the `pacientes` table. The trigger is created with the following SQL code:

```
1 create trigger auditoria_Modificaciones
2 before update ON pacientes
3 for each row
4 insert into auditoria_pacientes(
5   audi_NombreAnterior, audi_ApellidoAnterior,
6   audi_FechaAnterior, audi_SexoAnterior,
7   audi_NombreNuevo, audi_ApellidoNuevo,
8   audi_FechaNueva, audi_SexoNuevo,
9   audi_FechaModificacion, audi_usuario,
10  audi_PacIdentificacion, audi_Accion)
11 values(
12   old.PacNombre, old.PacApellidos,
13   old.PacFechaNacimiento, old.PacSexo,
14   new.PacNombre, new.PacApellidos,
15   new.PacFechaNacimiento, new.PacSexo,
16   now(), current_user(),
17   new.PacIdentificacion, "Se Ha Realizado Una Modificación"
18 )
```

The output window shows the successful execution of the trigger creation:

#	Time	Action	Message	Duration / Fetch
116	09:57:53	create function valormaximo() returns int begin declare valor int; select max(MedIdentifi...	0 row(s) affected	0.046 sec
117	09:57:53	create function valormaximo() returns int begin declare valor int; select max(MedIdentifi...	1 row(s) returned	- / 0.000 sec

MySQL Workbench interface showing the creation of a trigger named `auditoria_Eliminacionpacientes` on the `pacientes` table. The trigger is created with the following SQL code:

```
1
2 Create trigger auditoria_Eliminacionpacientes
3 after delete ON pacientes
4 for each row
5 insert into auditoria_pacientes(
6   audi_NombreAnterior, audi_ApellidoAnterior,
7   audi_FechaAnterior, audi_SexoAnterior,
8   audi_FechaModificacion, audi_usuario,
9   audi_PacIdentificacion, audi_Accion)
10 VALUES
11 (old.PacNombre, old.PacApellidos,
12  old.PacFechaNacimiento, old.PacSexo,
13  now(), current_user(),
14  old.PacIdentificacion, 'Registro Eliminado');
```

The output window shows the successful execution of the trigger creation:

#	Time	Action	Message	Duration / Fetch
116	09:57:53	create function valormaximo() returns int begin declare valor int; select max(MedIdentifi...	0 row(s) affected	0.046 sec
117	09:57:53	create function valormaximo() returns int begin declare valor int; select max(MedIdentifi...	1 row(s) returned	- / 0.000 sec