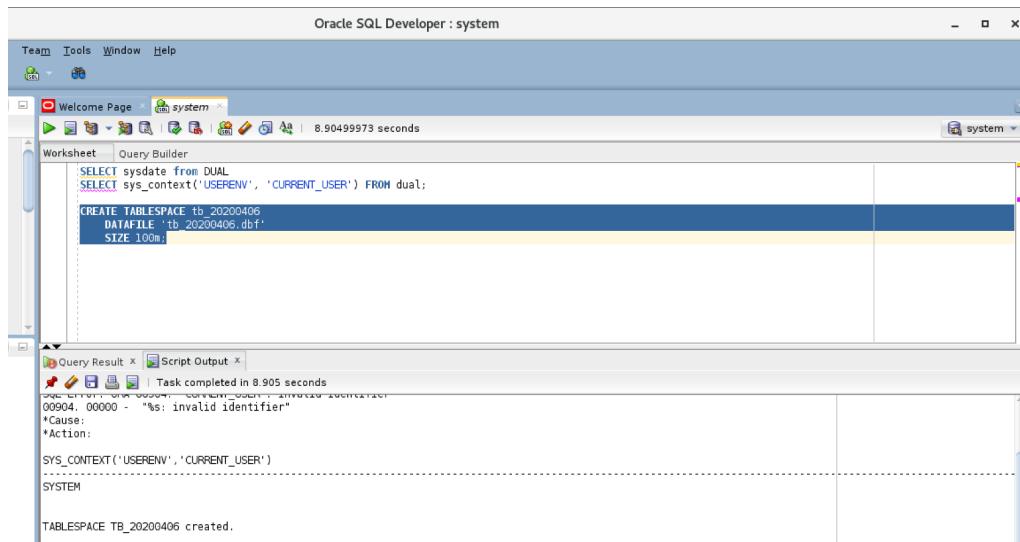


Proyecto I - Datos I

1. Creación del *tablespace*



The screenshot shows the Oracle SQL Developer interface with a query window open. The code entered is:

```
SELECT sysdate FROM DUAL;
SELECT sys_context('USERENV', 'CURRENT_USER') FROM dual;

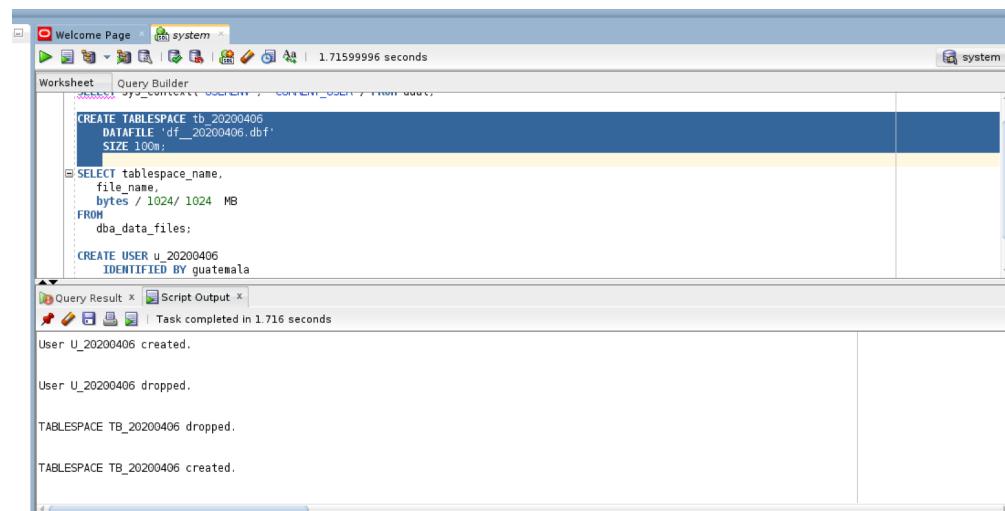
CREATE TABLESPACE tb_20200406
  DATAFILE 'tb_20200406.dbf'
  SIZE 100M;
```

The output window shows the results of the queries and the creation of the tablespace:

```
Task completed in 8.905 seconds
00904. 00000 - "%s: invalid identifier"
*Cause:
*Action:
SYS_CONTEXT('USERENV', 'CURRENT_USER')

SYSTEM

TABLESPACE TB_20200406 created.
```



The screenshot shows the Oracle SQL Developer interface with a query window open. The code entered is:

```
CREATE TABLESPACE tb_20200406
  DATAFILE 'df_20200406.dbf'
  SIZE 100M;

SELECT tablespace_name,
       file_name,
       bytes / 1024 / 1024 MB
  FROM dba_data_files;

CREATE USER u_20200406
  IDENTIFIED BY guatemala
```

The output window shows the creation of the user and the tablespace, followed by its dropping and re-creation:

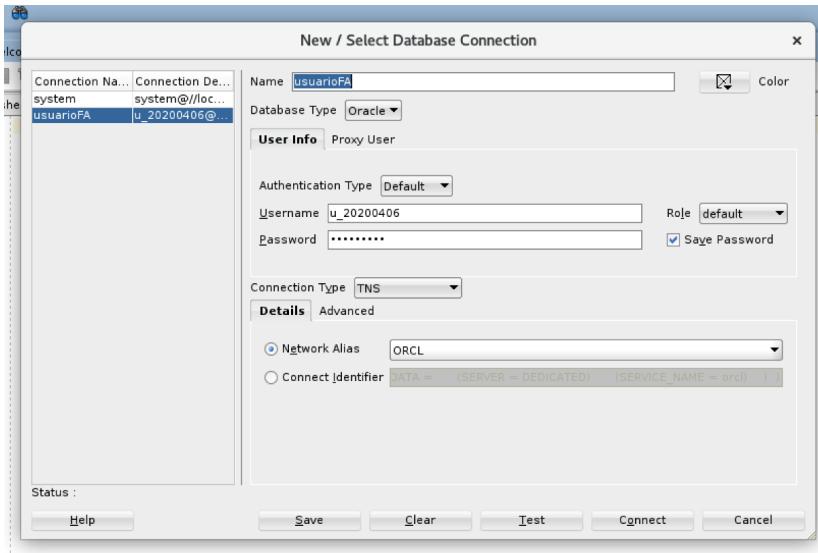
```
Task completed in 1.716 seconds
User U_20200406 created.

User U_20200406 dropped.

TABLESPACE TB_20200406 dropped.

TABLESPACE TB_20200406 created.
```

2. Creación de usuario



3. Creación de las tablas en Oracle

```
grant create any table to u_20200406;
SELECT * from EQUIPO
create table EQUIPO
(equipo_id VARCHAR(3) CONSTRAINT equipo_id_pk PRIMARY KEY,
país VARCHAR(50) NOT NULL);
describe EQUIPO
```

*Action:
Table EQUIPO created.
no rows selected
Name Null? Type

EQUIPO_ID NOT NULL VARCHAR2(3)
PAÍS NOT NULL VARCHAR2(50)

Oracle SQL Developer : /u01/userhome/oracle/creacion de tb y usuario.sql

File Edit View Navigate Run Source Team Tools Window Help

Connections Welcome Page creacion de tb y usuario.sql userldbPracticas.sql usuarioFA

Worksheet Query Builder

```
pais VARCHAR(50) NOT NULL);  
describe EQUIPO  
  
create table SEDE  
(sede_id VARCHAR(100) CONSTRAINT sede_id_pk primary key,  
ciudad VARCHAR(40) NOT NULL,  
nombre_sede VARCHAR(100) NOT NULL);  
  
describe sede
```

Script Output X

*Action:
Table SEDE created.

Name	Null?	Type
SEDE_ID	NOT NULL	VARCHAR2(100)
CIUDAD	NOT NULL	VARCHAR(40)
NOMBRE_SEDE	NOT NULL	VARCHAR2(100)

Oracle SQL Developer : /u01/userhome/oracle/creacion de tb y usuario.sql

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Connections Welcome Page creacion de tb y usuario.sql userldbPracticas.sql usuarioFA

Worksheet Query Builder

```
(sede_id VARCHAR(100) CONSTRAINT sede_id_pk primary key,  
ciudad VARCHAR(40) NOT NULL,  
nombre_sede VARCHAR(100) NOT NULL);  
  
describe sede  
  
create table ARBITRO  
(arbitro_id VARCHAR(50) CONSTRAINT arbitro_id_pk primary key,  
nombre VARCHAR(100) NOT NULL,  
nacionalidad VARCHAR(100) NOT NULL);  
  
describe arbitro
```

Script Output X

*Action:
Table ARBITRO created.

Name	Null?	Type
ARBITRO_ID	NOT NULL	VARCHAR2(50)
NOMBRE	NOT NULL	VARCHAR(100)
NACIONALIDAD	NOT NULL	VARCHAR2(100)

Oracle SQL Developer : /u01/userhome/oracle/creacion de tb y usuario.sql

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Connections Welcome Page creacion de tb y usuario.sql

SQL Worksheet History Worksheet Query Builder

```
create table MIEMBRO
(miembro_id VARCHAR2(20) CONSTRAINT miembro_id_pk primary key,
nombre VARCHAR2(100) NOT NULL,
fecha_de_nacimiento DATE NOT NULL,
posición_habitual VARCHAR2(100) NOT NULL,
tipo VARCHAR2(3) NOT NULL,
id_equipo VARCHAR2(3) CONSTRAINT miem_equipo_id_fk REFERENCES EQUIPO(eqipo_id));

describe miembro
```

Script Output x

| Task completed in 0.398 seconds

Error report -
ORA-00922: missing or invalid option
00922. 00000 - "missing or invalid option"
*Cause:
*Action:

Table MIEMBRO_FEDERACIÓN created.

| Line 65 Column 33 | Insert | Modified | Unix/Mac: LF

File Edit View Navigate Run Source Team Tools Window Help

Connections Welcome Page creacion de tb y usuario.sql userldbPracticas.sql

SQL Worksheet History Worksheet Query Builder

```
create table PARTIDO
(
id_partido INTEGER CONSTRAINT partido_id_pk primary key,
fecha_hora DATE NOT NULL,
goles_local INTEGER NOT NULL,
goles_visitante INTEGER NOT NULL,
resultado CHAR NOT NULL,
sede_id VARCHAR2(100) CONSTRAINT partido_sede_id_fk REFERENCES SEDE(sede_id),
equi_loc_id VARCHAR2(3) CONSTRAINT partido_equi_loc_id_fk REFERENCES EQUIPO(eqipo_id),
equi_vis_id VARCHAR2(3) CONSTRAINT partido_equi_vis_id_fk REFERENCES EQUIPO(eqipo_id)
);

describe partido
```

Script Output x

| Task completed in 1.281 seconds

Name	Null?	Type
ID_PARTIDO	NOT NULL	NUMBER(38)
FECHA_HORA	NOT NULL	DATE
GOLES_LOCAL	NOT NULL	NUMBER(38)
GOLES_VISITANTE	NOT NULL	NUMBER(38)
RESULTADO	NOT NULL	CHAR(1)
SEDE_ID		VARCHAR2(100)
EQUI_LOC_ID		VARCHAR2(3)
EQUI_VIS_ID		VARCHAR2(3)

| Line 67 Column 21 | Insert | Modified | Unix/Mac: LF

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Connections Oracle Connections humanresources system userldbPracticas usuarioFA Oracle NoSQL Connectio Database Schema Servi

Worksheet Query Builder

```

equi_loc_id VARCHAR2(3) CONSTRAINT partido_equi_loc_id_fk REFERENCES EQUIPO(equipo_id),
equi_vis_id VARCHAR2(3) CONSTRAINT partido_equi_vis_id_fk REFERENCES EQUIPO(equipo_id)
);

describe partido

create table COLEGIADO
(id_participacion_arbitro VARCHAR2(100) CONSTRAINT id_participacion_arbitro_pk primary key,
función VARCHAR(100) NOT NULL,
arbitro_id VARCHAR2(100) CONSTRAINT arbitro_id_fk REFERENCES ARBITRO(arbitro_id),
id_partido INTEGER CONSTRAINT partido_id_fk REFERENCES PARTIDO(id_partido));

```

Script Output x Task completed in 1.148 seconds

Table COLEGIADO created.

Name	Null?	Type
ID_PARTICIPACION_ARBITRO	NOT NULL	VARCHAR2(100)
FUNCIÓN	NOT NULL	VARCHAR2(100)
ARBITRO_ID		VARCHAR2(100)
ID_PARTIDO		NUMBER(38)

| Line 77 Column 19 | Insert | Modified | Unix/Mac: LF

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Connections Oracle Connections humanresources system userldbPracticas usuarioFA Oracle NoSQL Connectio Database Schema Servi

Worksheet Query Builder

```

DESCRIBE MIEMBRO_FEDERACION
describe miembro

alter table PARTICIPANTE
ADD CONSTRAINT una_vez_en_cancha UNIQUE(id_partido, miembro_id);

alter table PARTICIPANTE
ADD CONSTRAINT doping_unico UNIQUE(miembro_id, federativo_id, lab_id);

```

Script Output x Task completed in 0.189 seconds

GOLES	NOT NULL NUMBER(38)
MINUTO_PRIMER_GOL	FLOAT(126)
MIEMBRO_ID	VARCHAR2(20)
ID_PARTIDO	NUMBER(38)
FEDERATIVO_ID	VARCHAR2(20)
LAB_ID	VARCHAR2(50)

Table PARTICIPANTE altered.

Table PARTICIPANTE altered.

Saved: /u01/userhome/oracle/creacion de tb y usuario.sql | Line 105 Column 1 | Insert | Modified | Unix/Mac: LF

4. Creación de dump

Oracle SQL Developer : /u01/userhome/oracle/creacion de tb y usuario.sql

```
File Edit View Navigate Run Source Team Tools Window Help
Connections Welcome Page SQL Worksheet History system
+ Oracle Connections
  + humanresources
  + system
  + userldbPracticas
  + usuarioFA
  Oracle NoSQL Connectio
Database Schema Servi

Worksheet Query Builder
ADD CONSTRAINT una_vez_en_cancna UNIQUE(id_partido, miembro_id);
alter table PARTICIPANTE
ADD CONSTRAINT doping_unico UNIQUE(miembro_id, federativo_id, lab_id);

GRANT EXP_FULL_DATABASE TO u_20200406
GRANT RESOURCE TO u_20200406

Script Output x
Task completed in 0.192 seconds
Table PARTICIPANTE altered.

Table PARTICIPANTE altered.

Grant succeeded.

Grant succeeded.

Saved: /u01/userhome/oracle/creacion de tb y usuario.sql | Line 108 Column 30 | Insert | Modified | Unix/Mac: LF
```

Oracle SQL Developer : /u01/userhome/oracle/creacion de tb y usuario.sql

```
File Edit View Navigate Run Source Team Tools Window Help
Connections Welcome Page SQL Worksheet History system
+ Oracle Connections
  + humanresources
  + system
  + userldbPracticas
  + usuarioFA
  Oracle NoSQL Connectio
Database Schema Servi

Worksheet Query Builder
alter table PARTICIPANTE
ADD CONSTRAINT doping_unico UNIQUE(miembro_id, federativo_id, lab_id);

GRANT EXP_FULL_DATABASE TO u_20200406
GRANT RESOURCE TO u_20200406
create directory dumpproyecto as '/u01/userhome/oracle/proyectouno20200406';

Script Output x
Task completed in 0.288 seconds
Error starting at line : 110 in command -
create directory dumpproyecto as '/u01/userhome/oracle/proyectouno20200406
Error report -
ORA-01780: string literal required
01780. 00000 - "string literal required"
*Cause:
*Action:

Directory DUMPPROYECTO created.

Saved: /u01/userhome/oracle/creacion de tb y usuario.sql | Line 111 Column 1 | Insert | Modified | Unix/Mac: LF
```

Comando usado:

```
expdp u_20200406@orcl directory=dumpproyecto dumpfile=dp_20200406.dmp
logfile=backup.log schemas=u_20200406
```

Reporte:

```
;;
Export: Release 19.0.0.0.0 - Production on Wed Mar 30 23:44:48 2022
Version 19.3.0.0.0

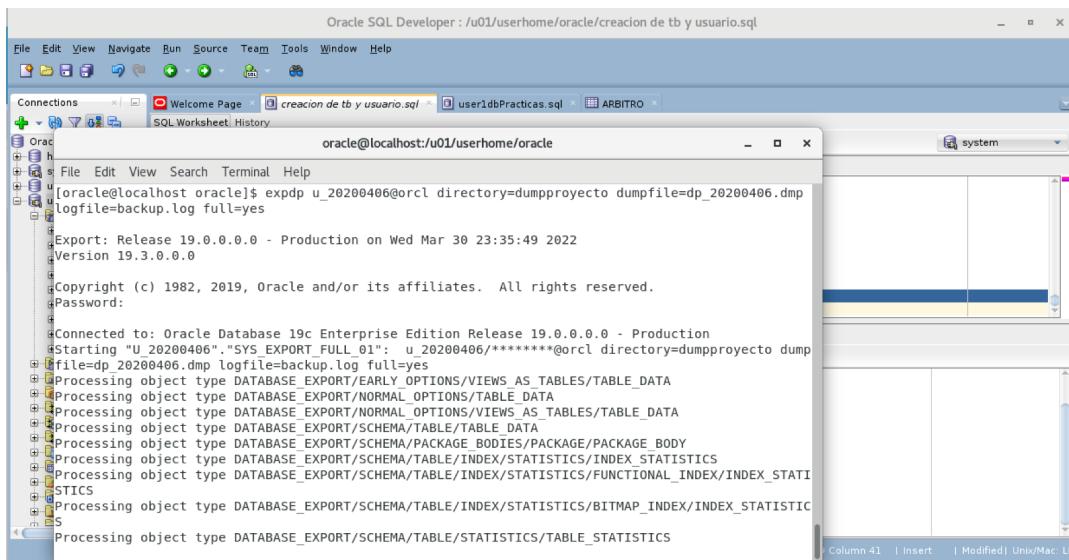
Copyright (c) 1982, 2019, Oracle and/or its affiliates. All rights
reserved.

;;
Connected to: Oracle Database 19c Enterprise Edition Release
19.0.0.0.0 - Production
Starting "U_20200406"."SYS_EXPORT_SCHEMA_01": u_20200406/*********
directory=dumpproyecto dumpfile=dp_20200406.dmp logfile=backup.log
schemas=u_20200406
Processing object type SCHEMA_EXPORT/TABLE(TABLE_DATA
Processing object type
SCHEMA_EXPORT/TABLE/INDEX/STATISTICS/INDEX_STATISTICS
Processing object type
SCHEMA_EXPORT/TABLE/STATISTICS(TABLE_STATISTICS
Processing object type SCHEMA_EXPORT/STATISTICS/MARKER
Processing object type SCHEMA_EXPORT/USER
Processing object type SCHEMA_EXPORT/SYSTEM_GRANT
Processing object type SCHEMA_EXPORT/ROLE_GRANT
Processing object type SCHEMA_EXPORT/DEFAULT_ROLE
Processing object type SCHEMA_EXPORT/PRE_SCHEMA/PROCACT_SCHEMA
Processing object type SCHEMA_EXPORT/TABLE(TABLE
Processing object type SCHEMA_EXPORT/TABLE/COMMENT
Processing object type SCHEMA_EXPORT/TABLE/INDEX(INDEX
Processing object type SCHEMA_EXPORT/TABLE/CONSTRAINT(CONSTRAINT
Processing object type SCHEMA_EXPORT/TABLE/CONSTRAINT/REF_CONSTRAINT
. . exported "U_20200406"."SYS_EXPORT_FULL_01"           14.00 MB
6913 rows
. . exported "U_20200406"."ARBITRO"                      0 KB
0 rows
. . exported "U_20200406"."COLEGIADO"                     0 KB
0 rows
. . exported "U_20200406"."EQUIPO"                       0 KB
0 rows
. . exported "U_20200406"."LABORATORIO"                  0 KB
0 rows
```

```

. . exported "U_20200406"."MIEMBRO" 0 KB
0 rows
. . exported "U_20200406"."MIEMBRO_FEDERACION" 0 KB
0 rows
. . exported "U_20200406"."PARTICIPANTE" 0 KB
0 rows
. . exported "U_20200406"."PARTIDO" 0 KB
0 rows
. . exported "U_20200406"."SEDE" 0 KB
0 rows
Master table "U_20200406"."SYS_EXPORT_SCHEMA_01" successfully
loaded/unloaded
*****
Dump file set for U_20200406.SYS_EXPORT_SCHEMA_01 is:
/u01/userhome/oracle/proyecto20200406/dp_20200406.dmp
Job "U_20200406"."SYS_EXPORT_SCHEMA_01" successfully completed at Wed
Mar 30 23:46:19 2022 elapsed 0 00:01:06

```



The screenshot shows the Oracle SQL Developer interface. The title bar reads "Oracle SQL Developer : /u01/userhome/oracle/creacion de tb y usuario.sql". The menu bar includes File, Edit, View, Navigate, Run, Source, Team, Tools, Window, Help. The toolbar has icons for New Connection, Open Connection, Save, Run, Stop, and Help. The Connections tab shows a connection named "oracle@localhost:/u01/userhome/oracle". The SQL Worksheet tab has the query "CREATE TABLE tb_y_usuario AS SELECT * FROM users;". The Results tab shows the output of the query. The bottom status bar indicates "Column 41 | Insert | Modified| Unix/Mac LF".

```

File Edit View Navigate Run Source Team Tools Window Help
Connections Welcome Page creacion de tb y usuario.sql user1dbPracticas.sql ARBITRO
File Edit View Search Terminal Help
[oracle@localhost oracle]$ expdp u_20200406@orcl directory=dumpprojecto dumpfile=dp_20200406.dmp
logfile=backup.log full=yes
Export: Release 19.0.0.0.0 - Production on Wed Mar 30 23:35:49 2022
Version 19.3.0.0
Copyright (c) 1982, 2019, Oracle and/or its affiliates. All rights reserved.
Password:
Connected to: Oracle Database 19c Enterprise Edition Release 19.0.0.0 - Production
Starting "U_20200406"."SYS_EXPORT_FULL_01": u_20200406/********@orcl directory=dumpprojecto dump
file=dp_20200406.dmp logfile=backup.log full=yes
Processing object type DATABASE_EXPORT/EARLY_OPTIONS/VIEWS_AS_TABLES/TABLE_DATA
Processing object type DATABASE_EXPORT/NORMAL_OPTIONS/TABLE_DATA
Processing object type DATABASE_EXPORT/NORMAL_OPTIONS/VIEWS_AS_TABLES/TABLE_DATA
Processing object type DATABASE_EXPORT/SCHEMA/TABLE/TABLE_DATA
Processing object type DATABASE_EXPORT/SCHEMA/PACKAGE/PACKAGE_BODY
Processing object type DATABASE_EXPORT/SCHEMA/TABLE/INDEX/STATISTICS/INDEX_STATISTICS
Processing object type DATABASE_EXPORT/SCHEMA/TABLE/INDEX/STATISTICS/FUNCTIONAL_INDEX/INDEX_STATISTICS
Processing object type DATABASE_EXPORT/SCHEMA/TABLE/INDEX/STATISTICS/BITMAP_INDEX/INDEX_STATISTICS
Processing object type DATABASE_EXPORT/SCHEMA/TABLE/STATISTICS/TABLE_STATISTICS

```

Oracle SQL Developer : /u01/userhome/oracle/creacion de tb y usuario.sql

File Edit View Navigate Run Source Team Tools Window Help

Connections Welcome Page creacion de tb y usuario.sql user1dbPracticas.sql ARBITRO

File Edit View Search Terminal Help

Processing object type SCHEMA_EXPORT/PRE_SCHEMA/PROCACT_SCHEMA

Processing object type SCHEMA_EXPORT/TABLE/TABLE

Processing object type SCHEMA_EXPORT/TABLE/COMMENT

Processing object type SCHEMA_EXPORT/TABLE/INDEX/INDEX

Processing object type SCHEMA_EXPORT/TABLE/CONSTRAINT/CONSTRAINT

Processing object type SCHEMA_EXPORT/TABLE/CONSTRAINT/REF_CONSTRAINT

.. . exported "U_20200406"."SYS_EXPORT_FULL_01" 14.00 MB 6913 rows

.. . exported "U_20200406"."ARBITRO" 0 KB 0 rows

.. . exported "U_20200406"."COLEGIADO" 0 KB 0 rows

.. . exported "U_20200406"."EQUIPO" 0 KB 0 rows

.. . exported "U_20200406"."LABORATORIO" 0 KB 0 rows

.. . exported "U_20200406"."MIEMBRO" 0 KB 0 rows

.. . exported "U_20200406"."MIEMBRO_FEDERACION" 0 KB 0 rows

.. . exported "U_20200406"."PARTICIPANTE" 0 KB 0 rows

.. . exported "U_20200406"."PARTIDO" 0 KB 0 rows

.. . exported "U_20200406"."SEDE" 0 KB 0 rows

Master table "U_20200406"."SYS_EXPORT_SCHEMA_01" successfully loaded/unloaded

Dump file set for U_20200406.SYS_EXPORT_SCHEMA_01 is:

/u01/userhome/oracle/proyectoUno20200406/dp_20200406.dmp

Job "U_20200406"."SYS_EXPORT_SCHEMA_01" successfully completed at Wed Mar 30 23:46:19 2022 elapse

0 00:01:06

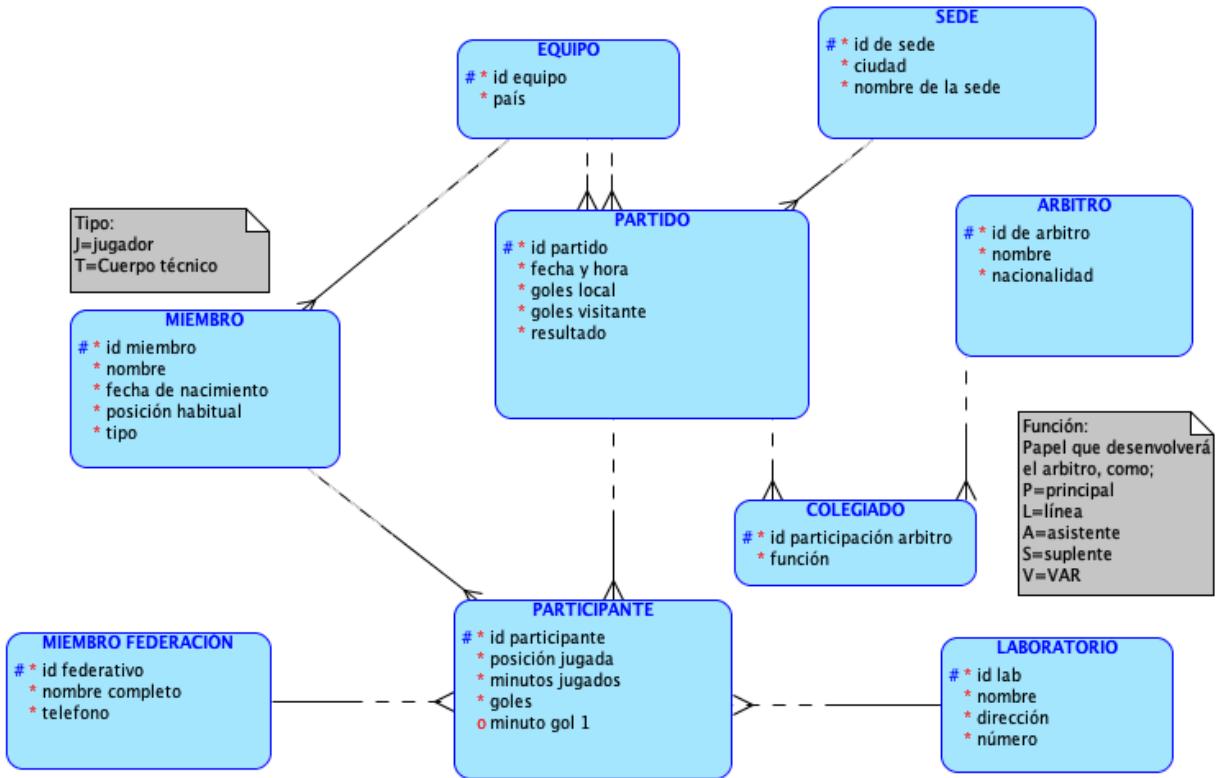
[oracle@localhost oracle]\$

Column 41 | Insert | Modified| Unix/Mac. LF

1 / 4

Después de haber otorgado varios permisos desde `system` a `u_20200406` se ha logrado crear el directorio donde se crea el dump. Al principio se estaba creando un dump completo pero luego de los schemas se logró un dump de solo la base de datos del proyecto.

Anexos



Modelo ER

mapeomundial

Mapeo y querys del proyecto ↑