

#### --BIBUS

```
INSERT INTO BIBUS (id_bibus, ult_revision, sig_revision)
SELECT plate, MAX(last_itv), MAX(next_itv)
FROM fsdb.busstops
WHERE plate NOT IN (SELECT id_bibus FROM BIBUS)
GROUP BY plate;
```

#### --RUTA

```
INSERT INTO RUTA (id_ruta, fec_ruta, parada, id_bibus) SELECT
route_id, stopdate, stoptime, plate FROM fsdb.busstops;
```

#### --CONDUCTOR

```
INSERT INTO CONDUCTOR (nombre_cond, pasaporte, telefono, email,
fec_ini, fec_fin) SELECT DISTINCT lib_fullname, lib_passport,
lib_phone, lib_email, cont_start, cont_end FROM fsdb.busstops
WHERE lib_passport NOT IN (select pasaporte FROM CONDUCTOR);
```

#### -- ASIGNA\_CONDUCTOR

```
INSERT INTO Asigna_Conductor (id_asignacion, pasaporte,
id_bibus, fec_ruta)
SELECT
    'ASG' || TO_CHAR(ROWNUM, 'FM0000'),
    lib_passport,
    plate,
    stopdate
FROM (
    SELECT
        lib_passport,
        plate,
        stopdate,
        ROW_NUMBER() OVER (
            PARTITION BY lib_passport
            ORDER BY TO_DATE(stopdate, 'DD.MM.YYYY') DESC
        ) AS rn
    FROM fsdb.busstops
    WHERE lib_passport IS NOT NULL
    AND plate IS NOT NULL
    AND stopdate IS NOT NULL
)
WHERE rn = 1;
```

#### --MUNICIPIO

```
INSERT INTO MUNICIPIO (nombre_muni, provincia, poblacion,
hay_biblio, id_ruta, fec_ruta, parada) SELECT town, province,
population, has_library, route_id, stopdate, stoptime FROM
fsdb.busstops;
```

#### --BIBLIOTECA

```
INSERT INTO Biblioteca (CIF, muni, provincia, direccion)
SELECT
    'LIB' || TO_CHAR(DBMS_RANDOM.VALUE(1000000000, 9999999999))
AS CIF, -- Genera un CIF único
    town AS muni,
    province AS provincia,
    address AS direccion
FROM fsdb.busstops
WHERE has_library = 'Y';
```

#### --LIBRO

```
INSERT INTO LIBRO (titulo, autor, pais, lengua_ori, fec_publi,
titulo_alt, tema, nota, premios, otros_aut, mencion_aut)
SELECT title, main_author, MAX(pub_country),
MAX(original_language), MAX(pub_date),
    MAX(alt_title), MAX(topic), MAX(content_notes),
MAX(awards), MAX(other_authors), MAX(mention_authors)
FROM fsdb.acervus
WHERE (title, main_author) NOT IN (SELECT titulo, autor FROM
LIBRO)
AND title IS NOT NULL AND main_author IS NOT NULL
GROUP BY title, main_author;
```

#### --EDICION

```
INSERT INTO Edicion (ISBN, id_libro, autor, lengua, ot_lengua,
edic, editorial, extension, serie, dep_legal, lugar_p, dims,
caract, material, notas, id_bib, url)
SELECT
    isbn, title, main_author, main_language, other_languages,
edition, publisher, extension, series,
    copyright, pub_place, dimensions, physical_features,
attached_materials, notes, national_lib_id,
    url
FROM (
    SELECT
        isbn, title, main_author, main_language, other_languages,
edition, publisher, extension, series,
        copyright, pub_place, dimensions, physical_features,
attached_materials, notes, national_lib_id,
        url,
        ROW_NUMBER() OVER (PARTITION BY isbn ORDER BY pub_date
DESC) AS row_num
    FROM fsdb.acervus
) a
```

```
WHERE a.row_num = 1
AND a.isbn NOT IN (SELECT isbn FROM Edicion);
```

#### --EJEMPLAR

```
INSERT INTO Ejemplar (sign, id_edicion)
SELECT DISTINCT signature, isbn
FROM fsdb.acervus
WHERE signature IS NOT NULL;
```

#### --USUARIO

```
INSERT INTO Usuario (carnet, nombre, apel1, apel2, pasaporte,
fec_nac, muni, direccion, email, telefono)
SELECT
    user_id, MAX(name), MAX(surname1), MAX(surname2),
    MAX(passport), MAX(birthdate), MAX(town),
    MAX(address), MAX(email), MAX(phone)
FROM fsdb.loans
WHERE user_id IS NOT NULL
GROUP BY user_id;
```

#### --PRÉSTAMO

```
INSERT INTO Prestamo (id_prestamo, id_usuario, fec_pr, fec_dev,
nombre_muni, provincia, ejemplar)
SELECT
    'P' || TO_CHAR(DBMS_RANDOM.VALUE(1000000000, 9999999999)),
    l.user_id,
    l.date_time,
    l.return,
    l.town,
    (SELECT b.province FROM fsdb.busstops b WHERE b.town =
l.town AND ROWNUM = 1),
    l.signature
FROM fsdb.loans l
WHERE l.signature IN (SELECT e.signature FROM fsdb.acervus e);
```

#### --COMENTARIO

```
INSERT INTO Comentario (id_usuario, id_prestamo, fec_coment,
contenido, likes, dislikes)
SELECT
    user_id,
    signature AS id_prestamo,
    POST_DATE AS fec_coment,
    POST AS contenido,
    LIKES AS likes,
    DISLIKES AS dislikes
```

```

FROM fsdb.loans
WHERE user_id IS NOT NULL
      AND signature IS NOT NULL
      AND post IS NOT NULL;

-- SANCION
INSERT INTO Sancion (id_usuario, id_prestamo, dias_sancion, fec_pr,
fec_dev, sancion_activa)
SELECT
      l.user_id AS id_usuario,
      p.id_prestamo AS id_prestamo,
      TO_NUMBER(TO_DATE(l.return, 'DD/MM/YYYY HH24:MI:SS') -
TO_DATE(l.date_time, 'DD/MM/YYYY HH24:MI:SS')) - 14 AS dias_sancion,
      l.date_time AS fec_pr,
      l.return AS fec_dev,
      CASE
            WHEN TO_DATE(l.return, 'DD/MM/YYYY HH24:MI:SS') > SYSDATE
THEN 'Y'
            ELSE 'N'
      END AS sancion_activa
FROM fsdb.loans l
JOIN Prestamo p ON l.signature = p.ejemplar
WHERE TO_DATE(l.return, 'DD/MM/YYYY HH24:MI:SS') >
TO_DATE(l.date_time, 'DD/MM/YYYY HH24:MI:SS') + 14;

```