# 1.

1-Registrar a un músico (Banjo, Accordion), asignarlo a la banda con el menor

numero de integrantes;

\*/

--=========================================================================

CREATE OR REPLACE PACKAGE PACKAGE\_EX

    AS

CREATE OR REPLACE PROCEDURE EXAMEN02.agregar\_morro(nombre IN VARCHAR2,

nacimiento IN DATE, muerte IN DATE, origen IN NUMBER, residencia IN NUMBER,

RESPONSE OUT VARCHAR2)

IS

TMPVAR VARCHAR2 (100);

id\_banda NUMBER(20);

id\_musico NUMBER(20);

BEGIN

TMPVAR := 'OK';

id\_musico := MUSICIANS\_SEQ.NEXTVAL;

id\_bm := BANDS\_MUSICIANS\_SEQ.NEXTVAL;

BEGIN

EXAMEN02.banda\_menor(id\_banda);

DBMS\_OUTPUT.PUT\_LINE(id\_banda);

END;

INSERT INTO EXAMEN02.MUSICIANS MUS

VALUES (id\_musico, nombre, nacimiento, muerte, origen,

residencia);

INSERT INTO EXAMEN02.BANDS\_MUSICIANS BM

VALUES (id\_bm, id\_banda, id\_musico);

END agregar\_morro;

/\*BEGIN

EXAMEN02.agregar\_morro('Erick Bonifaz','30-DEC-1994', '' , 8, 13, VA);

DBMS\_OUTPUT.PUT\_LINE(VA);

END;\*/

--=========================================================================

CREATE OR REPLACE PROCEDURE EXAMEN02.banda\_menor(id\_banda OUT NUMBER)

IS

BEGIN

SELECT BAND\_ID INTO id\_banda

FROM

(

SELECT BM.BAND\_ID, COUNT(\*) MEMBERS

FROM EXAMEN02.BANDS\_MUSICIANS BM

GROUP BY BM.BAND\_ID HAVING COUNT(\*) >= 1

ORDER BY MEMBERS, BAND\_ID ASC

) counts

WHERE ROWNUM =1;

END banda\_menor;

END PACKAGE\_EX

# 2.

2-Crear un concierto con bandas del género que más conciertos tenga registrados

desde 1950;

Ordenar a las bandas de acuerdo a su promedio de público en sus conciertos

(Asumiendo que todos son sold out).

Mostrar las bandas participantes y su orden.\*/

--===================== AGREGAR CONCIERTO ===============================

CREATE OR REPLACE PROCEDURE EXAMEN02.nuevo\_concierto(fecha IN DATE)

IS

--TMPVAR VARCHAR2 (100);

TMPVAR VARCHAR2 (100) := CONCERTS\_SEQ.NEXTVAL;

BEGIN

TMPVAR := 'OK';

INSERT INTO EXAMEN02.CONCERTS CON

VALUES (TMPVAR,\*\*\*IDBANDA\*\*\*,fecha,6);

END nuevo\_concierto;

DECLARE

VA VARCHAR2 (100);

BEGIN

EXAMEN02.nuevo\_concierto('02-FEB-2003');

DBMS\_OUTPUT.PUT\_LINE(VA);

END;

SELECT BM.BAND\_ID, COUNT(\*) MEMBERS

FROM EXAMEN02.BANDS\_MUSICIANS BM

GROUP BY BM.BAND\_ID HAVING COUNT(\*) >= 1

ORDER BY MEMBERS, BAND\_ID ASC

--======================================================

CREATE OR REPLACE PROCEDURE EXAMEN02.buscar\_genero\_alto (id\_genero OUT NUMBER)

IS

BEGIN

-- BUSCAR CONCIERTOS >1950 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

SELECT CONCERT\_DATE

FROM EXAMEN02.CONCERTS CON

WHERE EXTRACT (YEAR FROM CON.CONCERT\_DATE) > 1995;

END buscar\_genero\_alto ;

--\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

-- BUSCAR GENERO MAS ALTO \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

CREATE OR REPLACE PROCEDURE EXAMEN02.buscar\_genero\_alto (id\_genero OUT NUMBER)

IS

id\_genero NUMBER(20);

BEGIN

SELECT MUSIC\_GENRE\_ID INTO id\_genero

FROM

(

SELECT BAN.MUSIC\_GENRE\_ID, COUNT(\*) NUMERO\_CONCIERTOS

FROM EXAMEN02.BANDS BAN

GROUP BY BAN.MUSIC\_GENRE\_ID

ORDER BY NUMERO\_CONCIERTOS DESC

) counts

WHERE ROWNUM =1;

END buscar\_genero\_alto;

SELECT \*

FROM EXAMEN02.MUSIC\_GENRES

WHERE MUSIC\_GENRE\_ID = 271

CREATE OR REPLACE PROCEDURE EXAMEN02.tabla\_bandas (tabla\_b OUT NUMBER)

AS

cursor\_b SYS\_REFCURSOR;

BEGIN

CURSOR CUR\_VAR IS (SELECT BAND\_ID

FROM EXAMEN02.BANDS

WHERE MUSIC\_GENRE\_ID = (SELECT MUSIC\_GENRE\_ID

FROM

(

SELECT BAN.MUSIC\_GENRE\_ID, COUNT(\*) NUMERO\_CONCIERTOS

FROM EXAMEN02.BANDS BAN

GROUP BY BAN.MUSIC\_GENRE\_ID

ORDER BY NUMERO\_CONCIERTOS DESC

) counts

WHERE ROWNUM =1))

CUR\_VARs employee%ROWTYPE;

LOOP

dbms\_output.put\_line(CUR\_VAR);

END LOOP;

END tabla\_bandas;

--\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

3.

SELECT MUS.MUSICIAN\_NAME, INS.INSTRUMENT\_NAME, BAND\_NAME

FROM EXAMEN02.INSTRUMENTS INS

INNER JOIN EXAMEN02.BANDS\_MUSICIANS\_INSTRUMENTS BMI

ON BMI.INSTRUMENT\_ID = INS.INSTRUMENT\_ID

INNER JOIN EXAMEN02.BANDS\_MUSICIANS BM

ON BM.BAND\_MUSICIAN\_ID = BMI.BAND\_MUSICIAN\_ID

INNER JOIN EXAMEN02.MUSICIANS MUS

ON MUS.MUSICIAN\_ID = BM.BAND\_MUSICIAN\_ID

INNER JOIN EXAMEN02.BANDS BAN

ON BAN.BAND\_ID = BM.BAND\_ID

WHERE MUS.MUSICIAN\_ID = 1457;

SELECT \* FROM (SELECT MUS.MUSICIAN\_ID, MAX (COUNTER)

FROM ( SELECT MUS.MUSICIAN\_ID, COUNT (MUS.MUSICIAN\_ID)

AS COUNTER FROM EXAMEN02.INSTRUMENTS INS

INNER JOIN EXAMEN02.BANDS\_MUSICIANS\_INSTRUMENTS BMI

ON BMI.INSTRUMENT\_ID = INS.INSTRUMENT\_ID

INNER JOIN EXAMEN02.BANDS\_MUSICIANS BM

ON BM.BAND\_MUSICIAN\_ID = BMI.BAND\_MUSICIAN\_ID

INNER JOIN EXAMEN02.MUSICIANS MUS

ON MUS.MUSICIAN\_ID = BM.BAND\_MUSICIAN\_ID

GROUP BY MUS.MUSICIAN\_ID) MUS

GROUP BY MUS.MUSICIAN\_ID

ORDER BY MAX (COUNTER) DESC)

WHERE ROWNUM <= 6;

4.

/\*

4-Crear una banda con los cinco compositores con mayor numero de composiciones

registradas;

organizar una gira de conciertos junto a la banda mas reciente de los generos:

"Arena Rock", "Chicano" y "J-Pop";

La gira debe ser por los paises: "Mexico", "Argentina" y "Germany" en venues

que tengan una capacidad mayor a 180,000 espectadores.

Cada fecha se separará por 1 dia, cuando se cambie de país la gira se reanuda

hasta el siguiente domingo.

Mostrar las fechas de la gira y sus venues con su ciudad y país.

\*/

--1. Buscador y filtrador de 5 mayores compositores

DECLARE

CURSOR c\_musicos IS

SELECT \* FROM EXAMEN02.COMPOSITIONS\_MUSICIANS CM

c\_musico EXAMEN02.COMPOSITIONS\_MUSICIANS.MUSICIAN\_ID%ROWTYPE;

BEGIN

FOR c\_musicos IN c\_musicos LOOP

END LOOP;

END;

SELECT MUSICIAN\_ID, counts.COMPOSICIONES

FROM(

SELECT CM.MUSICIAN\_ID, COUNT(\*) COMPOSICIONES

FROM EXAMEN02.COMPOSITIONS\_MUSICIANS CM

GROUP BY CM.MUSICIAN\_ID

ORDER BY COMPOSICIONES DESC

)counts

WHERE ROWNUM <= 5

DECLARE

CURSOR v\_employeeRecords IS

SELECT \* FROM Employee WHERE Salary > 10;

v\_employeeRecord employee%ROWTYPE;

BEGIN

FOR v\_employeeRecord IN v\_employeeRecords LOOP

/\* Do something with v\_employeeRecord \*/

END LOOP;

END;

--==================================================

SELECT \*

FROM EXAMEN02.BANDS BA

INNER JOIN EXAMEN02.MUSIC\_GENRES MG

ON BA.MUSIC\_GENRE\_ID = MG.MUSIC\_GENRE\_ID

WHERE GENRE\_NAME = 'Arena Rock' OR 'Chicano' OR 'J-Pop'