**PRÁCTICA : BBDD**

**EJERCICIO 1**

CREATE TABLE TOUR AS SELECT \* FROM DOCENCIA.TOUR2017

**EJERCICIO 2**

CREATE TABLE INFO\_PERSONAL(

ID NUMBER(3, 0) PRIMARY KEY,

NOMBRE VARCHAR2(50),

NACIONALIDAD VARCHAR2(3)

);

CREATE TABLE INFO\_PROFESIONAL(

ID NUMBER(3,0) PRIMARY KEY,

EQUIPO VARCHAR2(50),

PAIS VARCHAR2(30),

CATEGORIA VARCHAR2(20)

);

INSERT INTO INFO\_PERSONAL

SELECT ID, NAME, NATIONALITY FROM TOUR;

INSERT INTO INFO\_PROFESIONAL

SELECT ID, TEAM, COUNTRY, CATEGORY FROM TOUR;

**EJERCICIO 3**

CREATE VIEW TOUR\_VIEW AS

SELECT PER.ID, PRO.EQUIPO, PRO.PAIS, PER.NOMBRE, PER.NACIONALIDAD, PRO.CATEGORIA

FROM INFO\_PERSONAL PER JOIN INFO\_PROFESIONAL PRO ON (PER.ID = PRO.ID)

**EJERCICIO 4**

CREATE OR REPLACE TRIGGER TR\_INSERTA\_CICLISTA

INSTEAD OF

INSERT

ON TOUR\_VIEW

FOR EACH ROW

BEGIN

INSERT INTO INFO\_PERSONAL VALUES (:NEW.ID, :NEW.NOMBRE, :NEW.NACIONALIDAD);

INSERT INTO INFO\_PROFESIONAL VALUES(:NEW.ID, :NEW.EQUIPO, :NEW.PAIS, :NEW.CATEGORIA);

END TR\_INSERTA\_CICLISTA;

**EJERCICIO 5**

CREATE TABLE LOG\_INSERCION(

USUARIO VARCHAR2(12),

FECHA DATE

);

CREATE OR REPLACE TRIGGER TR\_LOG\_INSERCION

AFTER

INSERT ON TOUR

BEGIN

INSERT INTO LOG\_INSERCION VALUES(USER, SYSDATE);

END TR\_LOG\_INSERCION;

**EJERCICIO 6**

CREATE VIEW TOUR\_ITALY AS

SELECT \* FROM TOUR

WHERE UPPER(NATIONALITY) = ‘ITA’;

CREATE VIEW TOUR\_SPAIN AS

SELECT \* FROM TOUR

WHERE UPPER(NATIONALITY) = ‘ESP’;

**EJERCICIO 7**

INSERT INTO TOUR\_SPAIN VALUES(501, 'UMA', 'ESPAÑA', 'JOSE', 'ESP', 'LAVUELTA');

**EJERCICIO 8**

**EJERCICIO 9**

CREATE VIEW TOUR\_ITALY AS

SELECT \* FROM TOUR

WHERE UPPER(NATIONALITY) = ‘ITA’;

CREATE OR UPDATE VIEW TOUR\_SPAIN AS

SELECT \* FROM TOUR

WHERE UPPER(NATIONALITY) = ‘ESP’

WITH CHECK\_OPTION;

**EJERCICIO 10**

**EJERCICIO 11**

CREATE OR REPLACE VIEW TOUR\_SPAIN AS

SELECT \* FROM TOUR WHERE UPPER(NATIONALITY) = ‘ESP’

WITH READ ONLY;

**EJERCICIO 12**

CREATE VIEW V\_TOUR\_FRANCE AS

SELECT \* FROM TOUR WHERE UPPER(NATIONALITY)='FRA';

GRANT DELETE ON V\_TOUR\_FRANCE TO UBD1231;

**EJERCICIO 14**

CREATE OR REPLACE VIEW CICLISTAS\_POR\_EQUIPOS AS

SELECT T.TEAM "NOMBRE", COUNT (\*) "NUM\_CICLISTAS"

FROM TOUR T

GROUP BY T.TEAM;

**EJERCICIO 15**

CREATE TABLE TB\_CICLISTAS\_POR\_EQUIPOS AS

SELECT \* FROM CICLISTAS\_POR\_EQUIPOS;

CREATE OR REPLACE TRIGGER TR\_CICLISTAS\_POR\_EQUIPOS

AFTER

INSERT OR DELETE OR UPDATE ON TOUR

FOR EACH ROW

BEGIN

IF INSERTING THEN

UPDATE TB\_CICLISTAS\_POR\_EQUIPOS

SET "NUM\_CICLISTAS" = "NUM\_CICLISTAS" + 1

WHERE "NOMBRE" = :NEW.TEAM;

END IF;

END TR\_CICLISTAS\_POR\_EQUIPOS;

**EJERCICIO 16**

CREATE OR REPLACE TRIGGER TR\_CICLISTAS\_POR\_EQUIPOS

AFTER

INSERT OR DELETE OR UPDATE ON TOUR

FOR EACH ROW

BEGIN

IF INSERTING THEN

UPDATE TB\_CICLISTAS\_POR\_EQUIPOS

SET "NUM\_CICLISTAS" = "NUM\_CICLISTAS" + 1

WHERE "NOMBRE" = :NEW.TEAM;

ELSIF DELETING THEN

UPDATE TB\_CICLISTAS\_POR\_EQUIPOS

SET "NUM\_CICLISTAS" = "NUM\_CICLISTAS" - 1

WHERE "NOMBRE" = :OLD.TEAM;

END IF;

END TR\_CICLISTAS\_POR\_EQUIPOS;