CREATE PROCEDURE sp00\_DROP\_RDB\_TABLES

AS

IF OBJECT\_ID('Brevet\_Rider') IS NOT NULL

DROP TABLE Brevet\_Rider;

IF OBJECT\_ID('Brevet') IS NOT NULL

DROP TABLE Brevet;

IF OBJECT\_ID('Club') IS NOT NULL

DROP TABLE Club;

IF OBJECT\_ID('Rider') IS NOT NULL

DROP TABLE Rider;

CREATE PROCEDURE sp01\_CREATE\_RDB\_TABLES

AS

CREATE TABLE Brevet

(

brevetId INTEGER NOT NULL,

distance INTEGER NOT NULL,

brevetDate DATE,

location VARCHAR(50),

climbing INTEGER,

CONSTRAINT PK\_Brevet PRIMARY KEY (brevetId),

CONSTRAINT CHK\_BrevetId CHECK(brevetid BETWEEN 10 AND 99999),

CONSTRAINT CHK\_Distance CHECK(distance = 200 OR distance = 300 OR distance = 400 OR distance = 600 OR distance = 1000 OR distance = 1200)

);

CREATE TABLE Club

(

clubId INTEGER NOT NULL,

clubName VARCHAR(50),

city VARCHAR(50),

email VARCHAR(50),

CONSTRAINT PK\_Club PRIMARY KEY (clubId),

CONSTRAINT CHK\_Clubid CHECK(clubid BETWEEN 101 AND 9999),

CONSTRAINT AK\_Club UNIQUE (clubName)

);

CREATE TABLE Rider

(

riderId INTEGER NOT NULL,

familyName VARCHAR(50),

givenName VARCHAR(50),

gender CHAR(1),

phone VARCHAR(50),

email VARCHAR(50),

clubId INTEGER,

username VARCHAR(20),

password VARCHAR(20),

role VARCHAR(20),

CONSTRAINT PK\_Rider PRIMARY KEY (riderId),

CONSTRAINT FK\_Rider\_Club FOREIGN KEY (clubId)

REFERENCES Club(clubId),

CONSTRAINT AK\_Username UNIQUE (username),

CONSTRAINT CHK\_RiderId CHECK(riderId BETWEEN 10 AND 99999),

CONSTRAINT CHK\_Role CHECK(role = 'user' OR role = 'administrator'),

CONSTRAINT CHK\_Rider\_gender CHECK(gender = 'M' OR gender = 'F')

);

CREATE TABLE Brevet\_Rider

(

brevetId INTEGER NOT NULL,

riderId INTEGER NOT NULL,

isCompleted CHAR(1),

finishingTime CHAR(5),

CONSTRAINT PK\_Brevet\_Rider PRIMARY KEY (brevetId, riderId),

CONSTRAINT FK\_Brevet\_Rider\_Brevet FOREIGN KEY (brevetId)

REFERENCES Brevet(brevetId),

CONSTRAINT FK\_Brevet\_Rider\_Rider FOREIGN KEY (riderId)

REFERENCES Rider(riderId),

CONSTRAINT CHK\_Brevet\_IsCompleted CHECK(isCompleted = 'Y' OR isCompleted = 'N')

);

CREATE PROCEDURE sp02\_INSERT\_RDB\_DATA

AS

-- Brevet

INSERT INTO Brevet (brevetId, distance, brevetDate, location, climbing)

VALUES

(10, 1200, '2013-10-02', 'Montreal', 20900),

(11, 400, '2014-09-07', 'Helsinki', 14500),

(12, 200, '2013-11-15', 'Sofia', 2000),

(13, 300, '2014-10-11', 'Berlin', 8000),

(14, 600, '2012-07-10', 'Manchester', 77000),

(15, 300, '2013-05-20', 'Turku', 12000),

(16, 1000, '2014-06-17', 'Boston', 52500),

(17, 1200, '2014-11-23', 'San-Antonio', 31000),

(18, 400, '2014-11-17', 'Tampere', 19000)

-- Club

INSERT INTO Club (clubId, clubName, city, email)

VALUES

(101, 'Harris Cyclery', 'Newton', 'mail@harriscyclery.com'),

(102, 'HP', 'Helsinki', 'helsinginpolkupyorailijat@gmail.com'),

(103, 'Wobbly Wheel', 'London', 'wobbly-wheel@hotmail.co.uk'),

(104, 'Hungarian Bikers', 'Budapest', 'hungbikes@bikers.hu'),

(105, 'Espoon Polkupyorailijat', 'Espoo', 'e-polkupyora@gmail.com'),

(106, 'Hells Angels', 'Fontana', 'mailus@hells-angels.com'),

(107, 'Flat Tire', 'Berlin', 'flattire@yahoo.de')

-- Rider

INSERT INTO Rider (riderId, familyName, givenName, gender, phone, email, clubId, username, password, role)

VALUES

(10, 'Armstrong', 'Lance', 'M', '+015551718611', 'armstrong@armstrong.com', 101, 'lance', 'lll', 'administrator'),

(11, 'Pooley', 'Emma', 'F', '+017778918634', 'emmapooley@yahoo.com', 103, 'emma', 'eee', 'user'),

(12, 'Sheldon', 'Brown', 'M', '+1555181818', 'sheldonbrown@sheldonbrown.com', 101, 's', 's', 'administrator'),

(13, 'Froom', 'Chris', 'M', '+237119186563', 'chrisfroom1@yahoo.com', 106, 'chris', 'ccc', 'user'),

(14, 'Quintano', 'Nairo', 'M', '+014444678622', 'nairo8888@gmail.com', 103, 'nairo', 'nnn', 'user'),

(15, 'Rodriguez', 'Joaquim', 'M', '+334645698634', 'joaquimrodriguez@bikes.es', 104, 'rodriguez', 'rrr', 'user'),

(16, 'Webber', 'Lisa', 'F', '+447454798634', 'lisawebber80@yahoo.com', 103, 'lisa80', 'lll', 'user'),

(17, 'Cooke', 'Nicole', 'F', '+045679028453', 'biker\_nicole@hotmail.co.uk', 103, 'nic', 'nnn', 'user'),

(18, 'Holopainen', 'Tuomas', 'M', '+358738918639', '\_tuomas\_@gmail.com', 105, 'tuomas', 'ttt', 'user'),

(19, 'Ericsson', 'Leena', 'F', '+358778218111', 'leena\_h@gmail.fi', 102, 'leena', 'lll', 'user'),

(20, 'Cage', 'Johnny', 'M', '+013658078645', 'jc\_mk@mk.com', 104, 'johnny', 'jjj', 'user'),

(21, 'Sagan', 'Peter', 'M', '+565678900943', 'petesagan@hotmail.com', 106, 'pete', 'ppp', 'user'),

(22, 'Somarriba', 'Joane', 'F', '+358778218111', 'leena\_h@gmail.fi', 102, 'joane', 'lll', 'user'),

(23, 'Veikkanen', 'Jussi', 'M', '+358658078333', 'jussiveik@gmail.com', 102, 'jussi', 'jjj', 'user'),

(24, 'Christophe', 'Riblon', 'M', '+458397866585', 'riblon@mail.ru', 104, 'riblon', 'rrr', 'user'),

(25, 'Doppman', 'Priska', 'F', '+3367782183273', 'priskadoppman@gmail.com', 107, 'priska', 'ppp', 'user'),

(26, 'Virtanen', 'Tarja', 'F', '+358440988321', 'v\_t\_81@gmail.fi', 105, 'tarja', 'ttt', 'user'),

(27, 'Kittel', 'Marcel', 'M', '+056985468645', 'marcelkittel@mk.com', 107, 'marcel', 'mmm', 'user'),

(28, 'Luperini', 'Fabiana', 'F', '+370470800332', 'fabiana@yahoo.it', 104, 'fabiana', 'fff', 'user'),

(29, 'Rolland', 'Pierre', 'M', '+345547458640', 'pierre\_r80@gmail.com', 101, 'pierre', 'ppp', 'user'),

(30, 'Contador', 'Alberto', 'M', '+654634557495', 'alberto@hotmail.com', 102, 'alberto', 'aaa', 'user'),

(31, 'Talansky', 'Andrew', 'M', '+043466456456', 'andytalansky@yahoo.com', 104, 'andy', 'aaa', 'user')

-- Brevet\_Rider

INSERT INTO Brevet\_Rider (brevetId, riderId, isCompleted, finishingTime)

VALUES

(10, 10, 'Y', '72:15'),

(10, 29, 'N', '30:01'),

(10, 25, 'Y', '70:33'),

(10, 22, 'Y', '82:38'),

(10, 14, 'Y', '99:15'),

(11, 11, 'Y', '26:33'),

(11, 30, 'Y', '23:45'),

(11, 22, 'Y', '25:59'),

(12, 28, 'Y', '13:05'),

(12, 12, 'Y', '12:33'),

(12, 31, 'Y', '14:15'),

(13, 11, 'Y', '17:32'),

(13, 21, 'Y', '18:53'),

(13, 10, 'Y', '18:32'),

(13, 25, 'Y', '16:28'),

(14, 27, 'Y', '40:01'),

(14, 30, 'Y', '38:22'),

(14, 12, 'Y', '39:15'),

(15, 16, 'Y', '17:32'),

(15, 10, 'Y', '18:08'),

(15, 14, 'Y', '17:57'),

(16, 18, 'Y', '72:35'),

(16, 16, 'Y', '81:19'),

(16, 17, 'Y', '79:32'),

(16, 26, 'Y', '78:00'),

(17, 13, 'Y', '90:32'),

(17, 19, 'Y', '79:49'),

(17, 20, 'Y', '88:18'),

(18, 21, 'Y', '25:15'),

(18, 24, 'Y', '27:30'),

(18, 22, 'Y', '24:03')

CREATE PROCEDURE sp03\_DELETE\_RDB\_DATA

AS

DELETE FROM Brevet\_Rider;

DELETE FROM Rider;

DELETE FROM Brevet;

DELETE FROM Club;

IF (@@Error = 0)

BEGIN

PRINT '====================================='

PRINT ' RANDONNEUR DATA DELETED SUCCESSFULLY.'

PRINT '====================================='

PRINT ' '

END

ELSE

BEGIN

PRINT '================================'

PRINT ' DELETING RANDONNEUR DATA FAILED!'

PRINT ' See the messages above.'

PRINT '================================'

PRINT ' '

END