

COMP23111 - Lab Exercise 3

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1 Part 1 - SQL Statements

1.1 A listing of the data & structure of each table

Manager	(<u>manager_ID</u> , name)
ManPhone	(<u>manager_ID</u> [fk:Manager.manager_ID], telephone)
Artist	(<u>artistic_name</u> , genre, managedBy [fk:Manager.manager_ID])
Album	(<u>album_ID</u> , title, createdBy [fk:Artist.artistic_name])
MasterTrack	(<u>track_ID</u> , working_title, working_length, recordedBy [fk:Artist.artistic_name], editedBy [fk:SoundEngineer.sound_eng_id])
SoundEngineer	(<u>sound_eng_ID</u> , name)
ContractInfo	(hasContract [fk:Artist.artistic_name], <u>date_from</u> , <u>date_to</u> , duration [derived as (date_to - date_from)])
FinishedTrack	(<u>originatesFrom</u> [fk:MasterTrack.track_ID], <u>version</u> , released_title, final_length)
AlbumTrack	(<u>album_ID</u> [fk:Album.album_ID], <u>track_ID</u> [fk:FinishedTrack.track_ID], <u>version</u> [fk:FinishedTrack.version], sequence)
Catalogue	(<u>release_date</u> , <u>album_ID</u> [fk:Album.album_ID], price, stock)
Buyer	(<u>buyer_ID</u> , date_registered)
Order	(<u>order_no</u> , date_placed, date_dispatched, buyer_ID [fk:Buyer.buyer_ID])
OrderItem	(<u>order_no</u> [fk:Order.order_no], <u>release_date</u> [fk:Catalogue.release_date], <u>album_ID</u> [fk:Catalogue.album_ID])
SoloArtist	(<u>artistic_name</u> [fk:Artist.artistic_name], <u>date_first_performance</u> , real_name)
GroupArtist	(<u>artistic_name</u> [fk:Artist.artistic_name], <u>date_formed</u>)
MemberOf	(<u>solo_artistic_name</u> [fk:Artist.artistic_name], <u>group_artistic_name</u> [fk:Artist.artistic_name], <u>date_joined</u>)
VinylAlbum	(<u>album_ID</u> [fk:Album.album_ID])
VinylAlbumColor	(<u>album_ID</u> [fk:VinylAlbum.album_ID], color)
CDAlbum	(<u>album_ID</u> [fk:Album.album_ID])
CDAlbumExtra	(<u>album_ID</u> [fk:CDAlbum.album_ID], extra)
TapeAlbum	(<u>album_ID</u> [fk:Album.album_ID], label)

2 Part 2 - Sql scripts

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-- COMP23111 Fundamentals of Databases
-- 2014-2015
-- AAAF: Tue 13 Aug 2013 09:53:06 BST
-- Edited by: Klitos on Tue 16 Sep 2014 18:42:12 GMT

-- create all the tables

CREATE TABLE Manager(
    manager_ID    INTEGER,
    name          VARCHAR2(50) NOT NULL,
    CONSTRAINT    m_id_pk PRIMARY KEY(manager_ID));

CREATE TABLE ManPhone(
    manager_ID    INTEGER,
    telephone     VARCHAR2(40),
    CONSTRAINT    mp_id_pk PRIMARY KEY(manager_ID, telephone),
    CONSTRAINT    mp_id_fk FOREIGN KEY(manager_ID) REFERENCES Manager(manager_ID));

CREATE TABLE Artist(
    artistic_name  VARCHAR2(40),
    genre         VARCHAR2(20) NOT NULL,
    managedBy     INTEGER NOT NULL,
    CONSTRAINT    a_artistic_name_pk PRIMARY KEY(artist_name),
    CONSTRAINT    a_managedBy_fk FOREIGN KEY(managedBy) REFERENCES Manager(manager_ID));

CREATE TABLE ContractInfo(
    hasContract   VARCHAR2(40),
    date_from     DATE NOT NULL,
    date_to       DATE NOT NULL,
    duration      INTEGER,
    CONSTRAINT    ci_contract_id_pk PRIMARY KEY(hasContract, date_from, date_to),
    CONSTRAINT    ci_hasContract_fk FOREIGN KEY(hasContract) REFERENCES Artist(artist_name));

CREATE TABLE Album (
    album_ID      VARCHAR2(5),
    title         VARCHAR2(80),
    createdBy     VARCHAR2(40),
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CONSTRAINT      a_album_id_pk PRIMARY KEY(album_ID),
CONSTRAINT      a_createdBy_fk FOREIGN KEY(createdBy) REFERENCES Artist(artistic_name));

CREATE TABLE SoundEngineer (
    sound_eng_ID INTEGER,
    name VARCHAR2(50) NOT NULL,
    CONSTRAINT    se_sound_eng_id_pk PRIMARY KEY(sound_eng_ID));

CREATE TABLE MasterTrack (
    track_ID      INTEGER,
    working_title  VARCHAR2(40),
    working_length VARCHAR2(40),
    recordedBy     VARCHAR2(40),
    editedBy       INTEGER,
    CONSTRAINT     mt_track_id_pk PRIMARY KEY(track_ID),
    CONSTRAINT     mt_recordedBy_fk FOREIGN KEY(recordedBy) REFERENCES Artist(artistic_name),
    CONSTRAINT     mt_editedBy_fk FOREIGN KEY(editedBy) REFERENCES SoundEngineer(sound_eng_ID));

CREATE TABLE FinishedTrack (
    originatesFrom INTEGER,
    version         INTEGER,
    released_title  VARCHAR2(40),
    final_length    VARCHAR2(40),
    CONSTRAINT      ft_id_pk PRIMARY KEY(originatesFrom, version),
    CONSTRAINT      ft_originatesFrom_fk FOREIGN KEY(originatesFrom) REFERENCES MasterTrack(track_ID));

CREATE TABLE AlbumTrack (
    album_ID VARCHAR2(5),
    track_ID INTEGER,
    version INTEGER,
    sequence INTEGER,
    CONSTRAINT at_pk PRIMARY KEY(album_ID, track_ID, version),
    CONSTRAINT at_album_fk FOREIGN KEY(album_ID) REFERENCES Album(album_ID),
    CONSTRAINT at_track_fk FOREIGN KEY(track_ID, version) REFERENCES FinishedTrack(originatesFrom, version));

CREATE TABLE Catalogue (
    release_date DATE NOT NULL,
    album_ID VARCHAR2(5),
    price NUMBER(10,2),
    stock INTEGER,
    CONSTRAINT ca_pk PRIMARY KEY(release_date, album_ID),
    CONSTRAINT ca_album_pk FOREIGN KEY(album_ID) REFERENCES Album(album_ID));

CREATE TABLE Buyer (
    buyer_ID INTEGER,
    date_registered DATE NOT NULL,
    name VARCHAR2(40),
    CONSTRAINT bu_pk PRIMARY KEY(buyer_id));

CREATE TABLE CatOrder (
    order_no INTEGER,
    date_placed DATE NOT NULL,
    date_dispatched DATE NOT NULL,
    buyer_ID INTEGER,
    CONSTRAINT or_pk PRIMARY KEY (order_no),
    CONSTRAINT or_buyer_fk FOREIGN KEY (buyer_ID) REFERENCES Buyer(buyer_ID));

CREATE TABLE CatOrderItem (
    order_no INTEGER,
    release_date DATE NOT NULL,
    album_ID VARCHAR2(5),
    CONSTRAINT oi_pk PRIMARY KEY(order_no, release_date, album_ID),
    CONSTRAINT oi_order_fk FOREIGN KEY(order_no) REFERENCES CatOrder(order_no),
    CONSTRAINT oi_catalogue_fk FOREIGN KEY(release_date, album_ID) REFERENCES Catalogue(release_date, album_ID));

CREATE TABLE SoloArtist (
    artistic_name VARCHAR2(40),
    date_first_performed DATE NOT NULL,
    real_name VARCHAR2(40),
    CONSTRAINT sa_pk PRIMARY KEY (artistic_name),
    CONSTRAINT sa_artist_fk FOREIGN KEY (artistic_name) REFERENCES Artist(artistic_name));

CREATE TABLE GroupArtist (
    artistic_name VARCHAR2(40),
    date_formed DATE NOT NULL,
    CONSTRAINT ga_pk PRIMARY KEY (artistic_name),
    CONSTRAINT ga_artist_fk FOREIGN KEY (artistic_name) REFERENCES Artist(artistic_name));

CREATE TABLE MemberOf (
    solo_artistic_name VARCHAR2(40),
    group_artistic_name VARCHAR2(40),
    date_joined DATE NOT NULL,
    CONSTRAINT mo_pk PRIMARY KEY (solo_artistic_name, group_artistic_name),
    CONSTRAINT mo_solo_artist_fk FOREIGN KEY (solo_artistic_name) REFERENCES Artist(artistic_name),
    CONSTRAINT mo_group_artist_fk FOREIGN KEY (group_artistic_name) REFERENCES Artist(artistic_name));

CREATE TABLE VinylAlbum (
    album_ID VARCHAR2(5),
    CONSTRAINT va_pk PRIMARY KEY (album_ID),
    CONSTRAINT va_album_fk FOREIGN KEY (album_ID) REFERENCES Album(album_ID));

CREATE TABLE VinylAlbumColor (
    album_ID VARCHAR2(5),
    color VARCHAR(10),
    CONSTRAINT vac_pk PRIMARY KEY (album_ID, color),
    CONSTRAINT vac_vinyl_album_fk FOREIGN KEY (album_ID) REFERENCES VinylAlbum(album_ID));

CREATE TABLE CDAlbum (
    album_ID VARCHAR2(5),
    CONSTRAINT cd_pk PRIMARY KEY (album_ID),
    CONSTRAINT cd_album_fk FOREIGN KEY (album_ID) REFERENCES Album(album_ID));

CREATE TABLE CDAlbumExtra (
    album_ID VARCHAR2(5),
    extra VARCHAR(10),
    CONSTRAINT cde_pk PRIMARY KEY (album_ID, extra),
    CONSTRAINT cde_album_fk FOREIGN KEY (album_ID) REFERENCES CDAlbum(album_ID));

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CREATE TABLE TapeAlbum (
    album_ID VARCHAR2(5),
    label VARCHAR2(10),
    CONSTRAINT ta_pk PRIMARY KEY (album_ID),
    CONSTRAINT ta_album_fk FOREIGN KEY (album_ID) REFERENCES Album(album_ID));

-- populate all the tables

INSERT INTO Manager VALUES (1, 'FreddyGlitter');
INSERT INTO Manager VALUES (2, 'PerrySoft');
INSERT INTO Manager VALUES (3, 'AxelManagementInc');
INSERT INTO Manager VALUES (4, 'NewTalentCorpInc');
INSERT INTO Manager VALUES (5, 'ManchesterEvents');

INSERT INTO ManPhone VALUES (1, '01612750987');
INSERT INTO ManPhone VALUES (1, '07865058978');
INSERT INTO ManPhone VALUES (2, '01615679876');
INSERT INTO ManPhone VALUES (2, '07789039894');
INSERT INTO ManPhone VALUES (3, '01623728473');
INSERT INTO ManPhone VALUES (3, '07837287492');
INSERT INTO ManPhone VALUES (4, '01789403940');
INSERT INTO ManPhone VALUES (5, '01616374847');
INSERT INTO ManPhone VALUES (5, '01563828248');
INSERT INTO ManPhone VALUES (5, '09495849869');

INSERT INTO Artist VALUES ('Goldfrat', 'Indie', 1);
INSERT INTO Artist VALUES ('SimonPalm', 'RB', 1);
INSERT INTO Artist VALUES ('Flut', 'Soul', 2);
INSERT INTO Artist VALUES ('JohnCliff', 'CW', 3);
INSERT INTO Artist VALUES ('JayBlancard', 'Soul', 3);
INSERT INTO Artist VALUES ('PalmerJohn', 'Indie', 4);
INSERT INTO Artist VALUES ('Zero7', 'Techno', 4);
INSERT INTO Artist VALUES ('JZ', 'Techno', 4);
INSERT INTO Artist VALUES ('Scandal', 'Dance', 5);
INSERT INTO Artist VALUES ('JKRowl', 'Dance', 5);
INSERT INTO Artist VALUES ('PJBlox', 'Dance', 5);

INSERT INTO ContractInfo VALUES ('Goldfrat', '10-oct-2010', '09-oct-2014', 0);
INSERT INTO ContractInfo VALUES ('SimonPalm', '20-aug-2005', '19-aug-2007', 0);
INSERT INTO ContractInfo VALUES ('SimonPalm', '20-sep-2012', '19-aug-2014', 0);
INSERT INTO ContractInfo VALUES ('Flut', '10-aug-2009', '09-sep-2014', 0);
INSERT INTO ContractInfo VALUES ('JohnCliff', '10-mar-2006', '10-apr-2012', 0);
INSERT INTO ContractInfo VALUES ('JayBlancard', '01-jan-2004', '20-jun-2014', 0);
INSERT INTO ContractInfo VALUES ('PalmerJohn', '12-feb-2006', '01-jun-2008', 0);
INSERT INTO ContractInfo VALUES ('Zero7', '31-dec-2011', '26-feb-2016', 0);
INSERT INTO ContractInfo VALUES ('JZ', '24-mar-2005', '30-dec-2007', 0);
INSERT INTO ContractInfo VALUES ('Scandal', '22-oct-2012', '19-nov-2016', 0);
INSERT INTO ContractInfo VALUES ('JKRowl', '19-apr-2003', '06-jan-2009', 0);
INSERT INTO ContractInfo VALUES ('PJBlox', '21-jun-2008', '16-jul-2013', 0);

INSERT INTO Album VALUES ('1c', '20Peoplein_a_Field', 'Goldfrat');
INSERT INTO Album VALUES ('1v', '20Peoplein_a_Field', 'Goldfrat');
INSERT INTO Album VALUES ('1t', '20Peoplein_a_Field', 'Goldfrat');
INSERT INTO Album VALUES ('2c', 'MyFeet', 'Flut');
INSERT INTO Album VALUES ('2v', 'MyFeet', 'Flut');
INSERT INTO Album VALUES ('3c', 'Debut', 'JayBlancard');

INSERT INTO SoundEngineer VALUES (1, 'MaxSpring');
INSERT INTO SoundEngineer VALUES (2, 'JayVerbal');
INSERT INTO SoundEngineer VALUES (3, 'CaroleHart');
INSERT INTO SoundEngineer VALUES (4, 'BrixMusta');
INSERT INTO SoundEngineer VALUES (5, 'KarenCroft');

INSERT INTO MasterTrack VALUES (103, 'Hello', '3mins', 'Goldfrat', 1);
INSERT INTO MasterTrack VALUES (104, 'Me', '3mins10secs', 'Goldfrat', 1);
INSERT INTO MasterTrack VALUES (105, 'You', '3mins40secs', 'Goldfrat', 1);
INSERT INTO MasterTrack VALUES (106, 'Them', '2mins', 'Goldfrat', 2);
INSERT INTO MasterTrack VALUES (107, 'Us', '50secs', 'Goldfrat', 1);
INSERT INTO MasterTrack VALUES (108, 'How', '7mins', 'Goldfrat', 4);
INSERT INTO MasterTrack VALUES (109, 'Be', '8mins', 'Goldfrat', 1);
INSERT INTO MasterTrack VALUES (110, 'Peace', '4mins', 'Goldfrat', 1);
INSERT INTO MasterTrack VALUES (111, 'Smile', '2mins', 'Goldfrat', 1);
INSERT INTO MasterTrack VALUES (203, 'Wow', '3mins', 'Flut', 3);
INSERT INTO MasterTrack VALUES (204, 'Whizzy', '3mins15secs', 'Flut', 3);
INSERT INTO MasterTrack VALUES (205, 'WhoAreYou?', '3mins30secs', 'Flut', 3);
INSERT INTO MasterTrack VALUES (206, 'PlaceandTime', '5mins', 'Flut', 4);
INSERT INTO MasterTrack VALUES (207, 'Milko', '58secs', 'Flut', 1);
INSERT INTO MasterTrack VALUES (208, 'Mad', '1min', 'Flut', 2);
INSERT INTO MasterTrack VALUES (209, 'Bling', '59secs', 'Flut', 3);
INSERT INTO MasterTrack VALUES (210, 'J', '2mins10secs', 'Flut', 1);
INSERT INTO MasterTrack VALUES (211, 'Jan', '100secs', 'Flut', 1);
INSERT INTO MasterTrack VALUES (301, 'Power', '2mins', 'JayBlancard', 3);
INSERT INTO MasterTrack VALUES (302, 'Whatisyourname?', '4mins15secs', 'JayBlancard', 3);
INSERT INTO MasterTrack VALUES (303, 'Mix', '3mins12secs', 'JayBlancard', 3);
INSERT INTO MasterTrack VALUES (304, 'Manic', '2mins', 'JayBlancard', 2);
INSERT INTO MasterTrack VALUES (305, 'Streets', '30secs', 'JayBlancard', 2);
INSERT INTO MasterTrack VALUES (306, 'Road', '1min40secs', 'JayBlancard', 5);
INSERT INTO MasterTrack VALUES (307, 'Forest', '60secs', 'JayBlancard', 5);
INSERT INTO MasterTrack VALUES (308, 'Deep', '2mins40secs', 'JayBlancard', 5);
INSERT INTO MasterTrack VALUES (309, 'Danger', '110secs', 'JayBlancard', 5);

INSERT INTO FinishedTrack VALUES (103, 2, 'Hello', '3mins');
INSERT INTO FinishedTrack VALUES (103, 3, 'ExtendedHello', '6mins');
INSERT INTO FinishedTrack VALUES (104, 2, 'Me', '3mins10secs');
INSERT INTO FinishedTrack VALUES (105, 2, 'You', '3mins40secs');
INSERT INTO FinishedTrack VALUES (106, 2, 'Them', '2mins');
INSERT INTO FinishedTrack VALUES (107, 2, 'Us', '50secs');
INSERT INTO FinishedTrack VALUES (108, 2, 'How', '7mins');
INSERT INTO FinishedTrack VALUES (109, 2, 'Be', '8mins');
INSERT INTO FinishedTrack VALUES (110, 2, 'Peace', '4mins');
INSERT INTO FinishedTrack VALUES (111, 2, 'Smile', '2mins');
INSERT INTO FinishedTrack VALUES (203, 2, 'Wow', '3mins');
INSERT INTO FinishedTrack VALUES (204, 2, 'Whizzy', '3mins15secs');
INSERT INTO FinishedTrack VALUES (205, 2, 'WhoAreYou?', '3mins30secs');
INSERT INTO FinishedTrack VALUES (206, 2, 'PlaceandTime', '5mins');

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INSERT INTO FinishedTrack VALUES (207, 2, 'Milko', '58_secs');
INSERT INTO FinishedTrack VALUES (208, 2, 'Mad', '1_min');
INSERT INTO FinishedTrack VALUES (209, 2, 'Bling', '59_secs');
INSERT INTO FinishedTrack VALUES (210, 2, 'J', '2_mins_10_secs');
INSERT INTO FinishedTrack VALUES (211, 2, 'Jan', '100_secs');
INSERT INTO FinishedTrack VALUES (301, 2, 'Power', '2_mins');
INSERT INTO FinishedTrack VALUES (302, 2, 'What_is_your_name?', '4_mins_15_secs');
INSERT INTO FinishedTrack VALUES (303, 2, 'Mix', '3_mins_12_secs');
INSERT INTO FinishedTrack VALUES (304, 2, 'Manic', '2_mins');
INSERT INTO FinishedTrack VALUES (305, 2, 'Streets', '30_secs');
INSERT INTO FinishedTrack VALUES (306, 2, 'Road', '1_min_40_secs');
INSERT INTO FinishedTrack VALUES (307, 2, 'Forest', '60_secs');
INSERT INTO FinishedTrack VALUES (308, 2, 'Deep', '2_mins_40_secs');
INSERT INTO FinishedTrack VALUES (309, 2, 'Danger', '110_secs');
INSERT INTO FinishedTrack VALUES (309, 3, 'Danger_Remix', '210_secs');

INSERT INTO Buyer VALUES (1, '28-Oct-2009', 'Simon_Plant');
INSERT INTO Buyer VALUES (2, '04-Aug-2009', 'Julie_Last');
INSERT INTO Buyer VALUES (3, '10-Mar-2012', 'Rina_Blue');
INSERT INTO Buyer VALUES (4, '20-Dec-2009', 'Kay_Srabonian');
INSERT INTO Buyer VALUES (5, '10-Jan-2008', 'Yos_Willis');

INSERT INTO SoloArtist VALUES ('Simon_Palm', '09-Jan-2004', 'Fred_Maynard');
INSERT INTO SoloArtist VALUES ('John_Cliff', '12-Dec-2005', 'John_Cliff');
INSERT INTO SoloArtist VALUES ('Jay_Blancard', '09-Jun-2003', 'Mervin_James');
INSERT INTO SoloArtist VALUES ('Palmer_John', '12-Feb-2006', 'Samantha_Jules');
INSERT INTO SoloArtist VALUES ('JZ', '09-Mar-2004', 'Julie_Zeb');
INSERT INTO SoloArtist VALUES ('JK_Rowl', '11-Jan-2013', 'Marisa_Jaher');
INSERT INTO SoloArtist VALUES ('PJ_Blox', '04-Apr-2007', 'Pandar_Rahoux');

INSERT INTO MemberOf VALUES ('Simon_Palm', 'Goldfrat', '23-Nov-2010');
INSERT INTO MemberOf VALUES ('Simon_Palm', 'Scandal', '12-Nov-2012');
INSERT INTO MemberOf VALUES ('John_Cliff', 'Goldfrat', '10-Oct-2012');
INSERT INTO MemberOf VALUES ('Jay_Blancard', 'Goldfrat', '10-Oct-2012');
INSERT INTO MemberOf VALUES ('Palmer_John', 'Flut', '08-Jun-2009');
INSERT INTO MemberOf VALUES ('Palmer_John', 'Scandal', '20-Oct-2012');
INSERT INTO MemberOf VALUES ('JZ', 'Flut', '10-Dec-2009');
INSERT INTO MemberOf VALUES ('JZ', 'Scandal', '20-Oct-2012');
INSERT INTO MemberOf VALUES ('JK_Rowl', 'Flut', '08-Jun-2009');
INSERT INTO MemberOf VALUES ('JK_Rowl', 'Zero7', '15-Dec-2011');
INSERT INTO MemberOf VALUES ('PJ_Blox', 'Zero7', '15-Dec-2011');

INSERT INTO AlbumTrack VALUES ('1c', 103, 2, 1);
INSERT INTO AlbumTrack VALUES ('1c', 103, 3, 2);
INSERT INTO AlbumTrack VALUES ('1c', 104, 2, 3);
INSERT INTO AlbumTrack VALUES ('1c', 105, 2, 4);
INSERT INTO AlbumTrack VALUES ('1c', 106, 2, 5);
INSERT INTO AlbumTrack VALUES ('1c', 107, 2, 6);
INSERT INTO AlbumTrack VALUES ('1c', 108, 2, 7);
INSERT INTO AlbumTrack VALUES ('1c', 109, 2, 8);
INSERT INTO AlbumTrack VALUES ('1c', 110, 2, 9);
INSERT INTO AlbumTrack VALUES ('1c', 111, 2, 10);

INSERT INTO AlbumTrack VALUES ('1v', 103, 2, 1);
INSERT INTO AlbumTrack VALUES ('1v', 103, 3, 2);
INSERT INTO AlbumTrack VALUES ('1v', 104, 2, 3);
INSERT INTO AlbumTrack VALUES ('1v', 105, 2, 4);
INSERT INTO AlbumTrack VALUES ('1v', 106, 2, 5);
INSERT INTO AlbumTrack VALUES ('1v', 107, 2, 6);
INSERT INTO AlbumTrack VALUES ('1v', 108, 2, 7);

INSERT INTO AlbumTrack VALUES ('1t', 103, 2, 1);
INSERT INTO AlbumTrack VALUES ('1t', 103, 3, 2);
INSERT INTO AlbumTrack VALUES ('1t', 104, 2, 3);
INSERT INTO AlbumTrack VALUES ('1t', 105, 2, 4);
INSERT INTO AlbumTrack VALUES ('1t', 106, 2, 5);
INSERT INTO AlbumTrack VALUES ('1t', 107, 2, 6);
INSERT INTO AlbumTrack VALUES ('1t', 108, 2, 7);

INSERT INTO AlbumTrack VALUES ('2c', 203, 2, 1);
INSERT INTO AlbumTrack VALUES ('2c', 204, 2, 2);
INSERT INTO AlbumTrack VALUES ('2c', 205, 2, 3);
INSERT INTO AlbumTrack VALUES ('2c', 206, 2, 4);
INSERT INTO AlbumTrack VALUES ('2c', 207, 2, 5);
INSERT INTO AlbumTrack VALUES ('2c', 208, 2, 6);
INSERT INTO AlbumTrack VALUES ('2c', 209, 2, 7);

INSERT INTO AlbumTrack VALUES ('2v', 203, 2, 1);
INSERT INTO AlbumTrack VALUES ('2v', 204, 2, 2);
INSERT INTO AlbumTrack VALUES ('2v', 205, 2, 3);
INSERT INTO AlbumTrack VALUES ('2v', 206, 2, 4);
INSERT INTO AlbumTrack VALUES ('2v', 207, 2, 5);
INSERT INTO AlbumTrack VALUES ('2v', 208, 2, 6);
INSERT INTO AlbumTrack VALUES ('2v', 209, 2, 7);

INSERT INTO AlbumTrack VALUES ('3c', 301, 2, 1);
INSERT INTO AlbumTrack VALUES ('3c', 302, 2, 2);
INSERT INTO AlbumTrack VALUES ('3c', 303, 2, 3);
INSERT INTO AlbumTrack VALUES ('3c', 304, 2, 4);
INSERT INTO AlbumTrack VALUES ('3c', 305, 2, 5);
INSERT INTO AlbumTrack VALUES ('3c', 306, 2, 6);
INSERT INTO AlbumTrack VALUES ('3c', 307, 2, 7);
INSERT INTO AlbumTrack VALUES ('3c', 308, 2, 8);
INSERT INTO AlbumTrack VALUES ('3c', 309, 2, 9);
INSERT INTO AlbumTrack VALUES ('3c', 309, 3, 10);

INSERT INTO Catalogue VALUES ('24-Dec-2010', '1t', 10.99, 9);
INSERT INTO Catalogue VALUES ('15-Jan-2011', '1c', 14.99, 2);
INSERT INTO Catalogue VALUES ('10-Jan-2011', '1v', 12.99, 5);
INSERT INTO Catalogue VALUES ('15-Nov-2010', '2c', 14.99, 1);
INSERT INTO Catalogue VALUES ('20-Jan-2010', '2v', 12.99, 0);
INSERT INTO Catalogue VALUES ('10-Dec-2008', '3c', 14.99, 1);

INSERT INTO CatOrder VALUES (1, '17-Jan-2011', '20-Jan-2011', 1);
INSERT INTO CatOrder VALUES (2, '12-Mar-2012', '15-Mar-2012', 3);
INSERT INTO CatOrder VALUES (3, '06-Dec-2011', '10-Dec-2011', 1);
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INSERT INTO CatOrderItem VALUES(1,'15-Jan-2011','1c');
INSERT INTO CatOrderItem VALUES(2,'10-Jan-2011','1v');
INSERT INTO CatOrderItem VALUES(2,'20-Jan-2010','2v');
INSERT INTO CatOrderItem VALUES(3,'10-Jan-2011','1v');
INSERT INTO CatOrderItem VALUES(3,'15-Nov-2010','2c');
INSERT INTO CatOrderItem VALUES(3,'10-Dec-2008','3c');

INSERT INTO VinylAlbum VALUES ('1v');
INSERT INTO VinylAlbum VALUES ('2v');
INSERT INTO CDAlbum VALUES ('1c');
INSERT INTO CDAlbum VALUES ('2c');
INSERT INTO CDAlbum VALUES ('3c');
INSERT INTO TapeAlbum VALUES ('1t','Fancy');

INSERT INTO CDAlbumExtra VALUES ('1c','Web');
INSERT INTO CDAlbumExtra VALUES ('1c','Video');
INSERT INTO CDAlbumExtra VALUES ('2c','Game');
INSERT INTO CDAlbumExtra VALUES ('3c','Video');
INSERT INTO CDAlbumExtra VALUES ('3c','Game');

INSERT INTO VinylAlbumColor VALUES ('1v','Red');
INSERT INTO VinylAlbumColor VALUES ('1v','Black');
INSERT INTO VinylAlbumColor VALUES ('1v','Green');
INSERT INTO VinylAlbumColor VALUES ('2v','Red');

-- create appropriate indices

CREATE INDEX m_idx on Manager(name);
CREATE INDEX mp_idx on ManPhone(telephone);
CREATE INDEX se_idx on SoundEngineer(name);
CREATE INDEX a_idx on Artist(genre);
CREATE INDEX mt_idx on MasterTrack(working_title);
CREATE INDEX ft_idx on FinishedTrack(released_title);

-- end of script

-- COMP23111 Fundamentals of Databases
-- 2014-2015
-- AAAF: Tue 13 Aug 2013 09:53:06 BST
-- Edited by: Klitos on Tue 16 Sep 2014 16:20:03 GMT

-- drop all the tables
-- following the dependency graph bottom-up
-- so that there is no need to CASCADE
--
-- (finishedtrack, mastertrack)
-- (mastertrack, soundengineer)
-- (mastertrack, artist)
-- (contractinfo, artist)
-- (album, artist)
-- (artist, manager)
-- (manphone, manager)

DROP TABLE VinylAlbumColor;
DROP TABLE VinylAlbum;
DROP TABLE CDAlbumExtra;
DROP TABLE CDAlbum;
DROP TABLE TapeAlbum;
DROP TABLE SoloArtist;
DROP TABLE GroupArtist;
DROP TABLE MemberOf;
DROP TABLE CatOrderItem;
DROP TABLE AlbumTrack;
DROP TABLE Catalogue;

DROP TABLE Finishedtrack;
DROP TABLE Mastertrack;
DROP TABLE Soundengineer;
DROP TABLE Contractinfo;
DROP TABLE Album;
DROP TABLE Artist;
DROP TABLE Manphone;
DROP TABLE Manager;

DROP TABLE CatOrder;
DROP TABLE Buyer;

-- end of script

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