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1  --Kevin Hance
2  --DBMS HW4
3
4  DROP TABLE IF EXISTS album;
5  DROP TABLE IF EXISTS music_artist;
6  DROP TABLE IF EXISTS music_group;
7  DROP TABLE IF EXISTS record_label;
8  DROP TABLE IF EXISTS genre;
9  DROP TABLE IF EXISTS record_label_type;
10
11 CREATE TABLE record_label_type(
12     label_type_id SMALLINT,
13     label_type VARCHAR(100),
14     PRIMARY KEY (label_type_id)
15 );
16 INSERT INTO record_label_type VALUES (0, "major");
17 INSERT INTO record_label_type VALUES (1, "indie");
18 INSERT INTO record_label_type VALUES (2, "hip-hop");
19
20 CREATE TABLE record_label(
21     label_name VARCHAR(100),
22     year_of_founding SMALLINT,
23     label_type_id SMALLINT,
24     FOREIGN KEY (label_type_id) REFERENCES record_label_type (label_type_id),
25     PRIMARY KEY (label_name)
26 );
27
28 INSERT INTO record_label VALUES ("Famous Label", 2000, 0);
29 INSERT INTO record_label VALUES ("Underground Label", 2013, 1);
30 INSERT INTO record_label VALUES ("Real Ones Entertainment", 1997, 2);
31
32 CREATE TABLE genre(
33     genre VARCHAR(100),
34     PRIMARY KEY (genre)
35 );
36
37 INSERT INTO genre VALUES ("rock");
38 INSERT INTO genre VALUES ("indie-rock");
39 INSERT INTO genre VALUES ("hip-hop");
40
41 CREATE TABLE music_group(
42     group_name VARCHAR(100),
43     year_of_founding YEAR,
44     genre VARCHAR(30),
45     FOREIGN KEY (genre) REFERENCES genre (genre),
46     PRIMARY KEY (group_name)
47 );
48
49 INSERT INTO music_group VALUES ("MusicMakers", 2005, "rock");
50 INSERT INTO music_group VALUES ("Beat Creators", 2008, "indie-rock");
51 INSERT INTO music_group VALUES ("The Rappers", 1998, "hip-hop");
52
53 CREATE TABLE album(
54     title VARCHAR(100),
55     music_group VARCHAR(100),
56     year_of_recording SMALLINT,
57     songs VARCHAR(1000),
58     record_label VARCHAR(100),
59     FOREIGN KEY (record_label) REFERENCES record_label (label_name),
60     FOREIGN KEY (music_group) REFERENCES music_group (group_name),
61     PRIMARY KEY (title, music_group)
62 );
63
64 INSERT INTO album VALUES ("Great Album", "MusicMakers", 2010, "song1, song2, song3,
song4, song5", "Famous Label");
65 INSERT INTO album VALUES ("Unknown Album", "Beat Creators", 2009, "songA, songB, songC,
songD, songE", "Underground Label");
66 INSERT INTO album VALUES ("Rap Album", "The Rappers", 1999, "beat1, beat2, beat3,
beat4, beat5", "Real Ones Entertainment");

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67
68 CREATE TABLE music_artist(
69     first_name VARCHAR(50),
70     last_name VARCHAR(50),
71     birth_year SMALLINT,
72     range_of_activity VARCHAR(30),
73     music_group VARCHAR(100),
74     FOREIGN KEY (music_group) REFERENCES music_group (group_name),
75     PRIMARY KEY (first_name, last_name)
76 );
77
78 INSERT INTO music_artist VALUES ("John", "Doe", 1984, "2005-present", "MusicMakers");
79 INSERT INTO music_artist VALUES ("Jim", "Bean", 1974, "2009-present", "Beat Creators");
80 INSERT INTO music_artist VALUES ("Jack", "Peterson", 1970, "1999-present", "The
81 Rappers");
82
83
84
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