

```
1 /*
2  github Link: https://github.com/5H4N30/DBMS-Implementation-Final.git
3  */
4
5 /**
6   Imported name.basics.tsv as nameBasics
7   Imported title.basics.tsv as tempTitleBasics
8   Imported titlePrincipals.tsv as titlePrinciples
9  */
10
11 /*
12  leave out the titles from title.basics.tsv
13  that have 1 for the value isAdult.
14  */
15 create table titleBasics as
16 select *
17 from temptitlebasics t
18 where t.isadult = 0;
19
20 /* ===== Fixing titleBasics genres ===== */
21 alter table titleBasics
22 add constraint titleBasics_pk primary key (tconst);
23
24 create table genres (
25     genre varchar(30) primary key
26 );
27
28 insert into genres (genre) values
29 ('Action'),
30 ('Adult'),
31 ('Adventure'),
```

```
32 ('Animation'),
33 ('Biography'),
34 ('Comedy'),
35 ('Crime'),
36 ('Documentary'),
37 ('Drama'),
38 ('Family'),
39 ('Fantasy'),
40 ('Film-Noir'),
41 ('Game-Show'),
42 ('History'),
43 ('Horror'),
44 ('Music'),
45 ('Musical'),
46 ('Mystery'),
47 ('News'),
48 ('Reality-TV'),
49 ('Romance'),
50 ('Sci-Fi'),
51 ('Short'),
52 ('Sport'),
53 ('Talk-Show'),
54 ('Thriller'),
55 ('War'),
56 ('Western');
57
58 create table titleGenres (
59     tconst varchar(12) not null,
60     genre varchar(30) not null,
61     primary key (tconst, genre),
62     foreign key (tconst) references titleBasics(tconst)
```

```

63 );
64
65 insert into titleGenres (tconst, genre)
66 select tconst, trim(genre) as genre
67 from (
68     select tconst, unnest(string_to_array(genres, ',')) as genre
69     from titleBasics
70     where genres is not null
71     ) as split_genres
72 where genre <> '';
73 /* ===== */
74
75 /* === Fixing nameBasics primaryProfession and knownForTitles === */
76 alter table nameBasics
77 add constraint nameBasics_pk primary key (nconst);
78
79 create table professions (
80     profession varchar(30) primary key
81 );
82
83 insert into professions (profession) values
84 ('accountant'),
85 ('actor'),
86 ('actress'),
87 ('animation_department'),
88 ('archive_footage'),
89 ('archive_sound'),
90 ('art_department'),
91 ('art_director'),
92 ('assistant'),
93 ('assistant_director'),

```

```
94 ('camera_department'),
95 ('casting_department'),
96 ('casting_director'),
97 ('choreographer'),
98 ('cinematographer'),
99 ('composer'),
100 ('costume_department'),
101 ('costume_designer'),
102 ('director'),
103 ('editor'),
104 ('editorial_department'),
105 ('electrical_department'),
106 ('executive'),
107 ('legal'),
108 ('location_management'),
109 ('make_up_department'),
110 ('manager'),
111 ('miscellaneous'),
112 ('music_artist'),
113 ('music_department'),
114 ('podcaster'),
115 ('producer'),
116 ('production_department'),
117 ('production_designer'),
118 ('production_manager'),
119 ('publicist'),
120 ('script_department'),
121 ('set_decorator'),
122 ('sound_department'),
123 ('soundtrack'),
124 ('special_effects'),
```

```
125 ('stunts'),
126 ('talent_agent'),
127 ('transportation_department'),
128 ('visual_effects'),
129 ('writer');
130
131 create table nameProfessions (
132     nconst varchar(12) not null,
133     profession varchar(30) not null,
134     primary key (nconst, profession),
135     foreign key (nconst) references nameBasics(nconst)
136 );
137
138 INSERT INTO nameProfessions (nconst, profession)
139 SELECT nconst, TRIM(profession) AS profession
140 FROM (
141     SELECT nconst, unnest(string_to_array(primaryProfession, ',')) AS profession
142     FROM nameBasics
143     WHERE primaryProfession IS NOT NULL
144 ) AS split_professions
145 WHERE profession <> '';
146
147 create table nameKnownForTitles (
148     nconst varchar(12) not null,
149     knownForTitle varchar(12) not null,
150     primary key (nconst, knownForTitle),
151     foreign key (nconst) references nameBasics(nconst),
152     foreign key (knownForTitle) references titleBasics(tconst)
153 );
154
155 INSERT INTO nameKnownForTitles (nconst, knownForTitle)
```

```
156 SELECT nconst, TRIM(knownForTitle) AS knownForTitle
157 FROM (
158     SELECT nconst, unnest(string_to_array(knownForTitles, ',')) AS knownForTitle
159     FROM nameBasics
160     WHERE knownForTitles IS NOT NULL
161 ) AS split_titles, titleBasics b
162 WHERE knownForTitle <> '' and b.tconst = knownForTitle;
163 /* ===== */
164
165 /* === Persistent Tables === */
166 select * from nameBasics;
167 select * from titleBasics;
168 select * from titlePrincipals;
169
170 select * from genres;
171 select * from titleGenres;
172 select * from professions;
173 select * from nameProfessions;
174 select * from nameKnownForTitles;
175 select * from tempTitleBasics;
```