

drop table if exists AUTHOR;

drop table if exists COMPACAT\_DISC;

drop table if exists INSTRUMENT;

drop table if exists INSTRUMENT\_INVOLVED;

drop table if exists INVOLVED\_PERSON;

drop table if exists MUSIC\_PIECE;

drop table if exists PERSON;

drop table if exists WORK\_AS\_AUTHOR;

```
/*=====*/
/* Table: AUTHOR                                */
/*=====*/
create table AUTHOR
(
  TRACK_ID      int not null,
  AUTHOR_ID     int not null,
  AUTHOR_TYPE   char(128) not null
);

/*=====*/
/* Table: COMPACAT_DISC                        */
/*=====*/
create table COMPACAT_DISC
(
  DISC_ID       int not null,
  D_TITLE      char(128) not null,
  D_YEAR       date not null,
  primary key (DISC_ID)
);

/*=====*/
/* Table: INSTRUMENT                          */
/*=====*/
create table INSTRUMENT
(
  INSTRUMENT_ID int not null,
  PERSON_ID     int,
  INSTRUMENT_NAME char(128) not null,
  primary key (INSTRUMENT_ID)
);

/*=====*/
/* Table: INSTRUMENT_INVOLVED                 */
/*=====*/
create table INSTRUMENT_INVOLVED
(
  TRACK_ID      int not null,
  INSTRUMENT_ID int not null,
  primary key (TRACK_ID, INSTRUMENT_ID)
);

/*=====*/
/* Table: INVOLVED_PERSON                     */
/*=====*/
create table INVOLVED_PERSON
(
  PERSON_ID     int not null,
  TRACK_ID      int not null,
  primary key (PERSON_ID, TRACK_ID)
);

/*=====*/
/* Table: MUSIC_PIECE                         */
/*=====*/
```

```
create table MUSIC_PIECE
(
  M_TITTLE      char(128) not null,
  TRACK_ID      int not null,
  DISC_ID       int,
  DISC_TRACK    int not null,
  primary key (TRACK_ID)
);

/*=====*/
/* Table: PERSON                                */
/*=====*/

create table PERSON
(
  PERSON_NAME    char(128) not null,
  PERSON_NAT     char(128) not null,
  PERSON_ID      int not null,
  primary key (PERSON_ID)
);

/*=====*/
/* Table: WORK_AS_AUTHOR                        */
/*=====*/

create table WORK_AS_AUTHOR
(
  PERSON_ID      int not null,
  primary key (PERSON_ID)
);

alter table AUTHOR add constraint FK_TYPES_OF_AUTHOR foreign key (TRACK_ID)
references MUSIC_PIECE (TRACK_ID) on delete restrict on update restrict;

alter table INSTRUMENT add constraint FK_WORK_AS_INSTRUMENTALIST foreign key (PERSON_ID)
references PERSON (PERSON_ID) on delete restrict on update restrict;

alter table INSTRUMENT_INVOLVED add constraint FK_INSTRUMENT_INVOLVED foreign key (INSTRUMENT_ID)
references INSTRUMENT (INSTRUMENT_ID) on delete restrict on update restrict;

alter table INSTRUMENT_INVOLVED add constraint FK_INSTRUMENT_INVOLVED2 foreign key (TRACK_ID)
references MUSIC_PIECE (TRACK_ID) on delete restrict on update restrict;

alter table INVOLVED_PERSON add constraint FK_INVOLVED_PERSON foreign key (TRACK_ID)
references MUSIC_PIECE (TRACK_ID) on delete restrict on update restrict;

alter table INVOLVED_PERSON add constraint FK_INVOLVED_PERSON2 foreign key (PERSON_ID)
references PERSON (PERSON_ID) on delete restrict on update restrict;

alter table MUSIC_PIECE add constraint FK_MUSIC_ON_DISC foreign key (DISC_ID)
references COMPACAT_DISC (DISC_ID) on delete restrict on update restrict;

alter table WORK_AS_AUTHOR add constraint FK_WORK_AS_AUTHOR foreign key (PERSON_ID)
references PERSON (PERSON_ID) on delete restrict on update restrict;

alter table WORK_AS_AUTHOR add constraint FK_WORK_AS_AUTHOR2 foreign key ()
references AUTHOR on delete set null on update set null;
```