

drop table if exists AUTHOR;

drop table if exists BASKET;

drop table if exists BOOK;

drop table if exists CUSTOMER;

drop table if exists IN_BASKET;

drop table if exists PUBLISHER;

drop table if exists STORED_IN;

drop table if exists WAREHOUSE;

```
/*=====*/
/* Table: AUTHOR                                */
/*=====*/
```

```
create table AUTHOR
(
  A_ID      int not null,
  A_NAME    varchar(1024) not null,
  A_ADDRESS varchar(1024) not null,
  primary key (A_ID, A_NAME)
);
```

```
/*=====*/
/* Table: BASKET                                */
/*=====*/
```

```
create table BASKET
(
  BASKET_ID int not null,
  C_ID      int,
  EMAIL     varchar(1024),
  primary key (BASKET_ID)
);
```

```
/*=====*/
/* Table: BOOK                                  */
/*=====*/
```

```
create table BOOK
(
  ISBN      bigint not null,
  P_NAME    varchar(1024),
  P_ID      int,
  A_ID      int,
  A_NAME    varchar(1024),
  YEAR      date not null,
  TITTLE    varchar(1024) not null,
  PRICE     float(8,2) not null,
  primary key (ISBN)
);
```

```
/*=====*/
/* Table: CUSTOMER                             */
/*=====*/
```

```
create table CUSTOMER
(
  EMAIL      varchar(1024) not null,
  C_NAME     varchar(200) not null,
  PHONE      bigint not null,
  ADDRESS    varchar(1024) not null,
  C_ID       int not null,
  primary key (C_ID, EMAIL)
);
```

```
/*=====*/
/* Table: IN_BASKET                             */
/*=====*/
```

```
create table IN_BASKET
```

```
(
  ISBN          bigint not null,
  BASKET_ID      int not null,
  primary key (ISBN, BASKET_ID)
);

/*=====*/
/* Table: PUBLISHER                                */
/*=====*/

create table PUBLISHER
(
  P_NAME        varchar(1024) not null,
  P_ADDRESS     varchar(1024) not null,
  P_PHONE       bigint not null,
  P_URL         varchar(1024) not null,
  P_ID          int not null,
  primary key (P_NAME, P_ID)
);

/*=====*/
/* Table: STORED_IN                                */
/*=====*/

create table STORED_IN
(
  ISBN          bigint not null,
  W_ID          int not null,
  primary key (ISBN, W_ID)
);

/*=====*/
/* Table: WAREHOUSE                                */
/*=====*/

create table WAREHOUSE
(
  W_ID          int not null,
  primary key (W_ID)
);

alter table BASKET add constraint FK_BELONGS_TO foreign key (C_ID, EMAIL, )
  references CUSTOMER (C_ID, EMAIL, BASKET_ID) on delete restrict on update restrict;

alter table BOOK add constraint FK_PUBLISHED_BY foreign key (P_NAME, P_ID)
  references PUBLISHER (P_NAME, P_ID) on delete restrict on update restrict;

alter table BOOK add constraint FK_WRITTEN_BY foreign key (A_ID, A_NAME)
  references AUTHOR (A_ID, A_NAME) on delete restrict on update restrict;

alter table IN_BASKET add constraint FK_IN_BASKET foreign key (ISBN)
  references BOOK (ISBN) on delete restrict on update restrict;

alter table IN_BASKET add constraint FK_IN_BASKET2 foreign key (BASKET_ID)
  references BASKET (BASKET_ID) on delete restrict on update restrict;

alter table STORED_IN add constraint FK_STORED_IN foreign key (ISBN)
  references BOOK (ISBN) on delete restrict on update restrict;

alter table STORED_IN add constraint FK_STORED_IN2 foreign key (W_ID)
  references WAREHOUSE (W_ID) on delete restrict on update restrict;
```