

```
drop table if exists EnCours;
drop table if exists EmpruntT;
drop table if exists Disponibles;
drop table if exists Exempleaire;
drop table if exists Abonne;
drop table if exists Client;
drop table if exists Ecritspar;
drop table if exists Auteur;
drop table if exists Livre;
```

— la table EmpruntT correspond à ce qu'on a appelé en TD  
-- la table "Terminés" (pour "emprunts terminés")

```
create table Livre (
  id int primary key,
  titre text,
  editeur text
);
create table Auteur (
  id int primary key,
  nom varchar(40)
);
create table Ecritspar (
  id_livre int,
  id_auteur int,
  primary key (id_livre, id_auteur),
  foreign key (id_livre) references Livre(id),
  foreign key (id_auteur) references Auteur(id)
);
create table Client (
  id int primary key,
  nom varchar(40),
  adresse text
);
create table Abonne (
  id_client int primary key,
  num_carte int,
  unique (num_carte),
  foreign key (id_client) references Client(id)
);

create table Exempleaire (
  id int primary key,
  etagere varchar (20),
  id_livre int not null,
  foreign key (id_livre) references Livre(id)
);
```

```
create table EnCours (  
  id_copie int primary key,  
  id_client int not null,  
  debut timestamp,  
  foreign key (id_copie) references Exempleaire(id),  
  foreign key (id_client) references Client(id)  
);
```

```
create table Disponibles (  
  id_copie int primary key,  
  foreign key (id_copie) references Exempleaire(id)  
);
```

```
create table EmpruntT (  
  id_copie int,  
  debut timestamp,  
  id_client int not null,  
  fin timestamp,  
  commentaire text,  
  primary key (id_copie, debut),  
  foreign key (id_copie) references Exempleaire(id),  
  foreign key (id_client) references Client(id)  
);
```

```
insert into Livre values  
(1, 'Foundations of Databases', 'Addison Wesley'),  
(2, 'Data on the Web', 'Addison Wesley'),  
(3, 'Math is fun', 'Ellipse');
```

```
insert into Client values  
(1, 'Amelie', 'p7'),  
(2, 'Wieslaw', 'p7'),  
(3, 'Louis', 'p7'),  
(4, 'Balthazar', 'p7');
```

```
insert into Abonne values  
(1, 5),  
(2, 6);
```

```
insert into Auteur values  
(1, 'Abiteboul'),  
(2, 'Hull'),  
(3, 'Vianu'),  
(4, 'Buneman'),  
(5, 'Suciu');
```

```
insert into Ecritspar values
(1,1),
(1,2),
(1,3),
(2,1),
(2,4),
(2,5),
(3,2),
(3,3),
(3,5);
```

```
insert into Exempleaire values
(1, 'F5', 1),
(2, 'G3', 1),
(3, 'E2', 2);
```

```
insert into Disponibles values
(2),
(3);
```

```
insert into EnCours values
(1, 1, '2015/09/22 18:30' );
```

```
insert into EmpruntT values
(2, '2015/08/03 10:30', 1, '2015/09/05 18:30', 'encore
excellent!'),
(1, '2015/03/03 09:30', 1, '2015/03/25 19:30', 'excellent!'),
(1, '2015/02/03 09:30', 2, '2015/02/25 19:30', 'excellent!'),
(3, '2015/01/03 12:30', 2, '2015/01/25 17:30', 'very good'),
(3, '2014/12/03 09:30', 2, '2014/12/20 19:30', 'very good'),
(3, '2014/10/01 09:30', 2, '2014/10/03 12:30', 'very good');
```