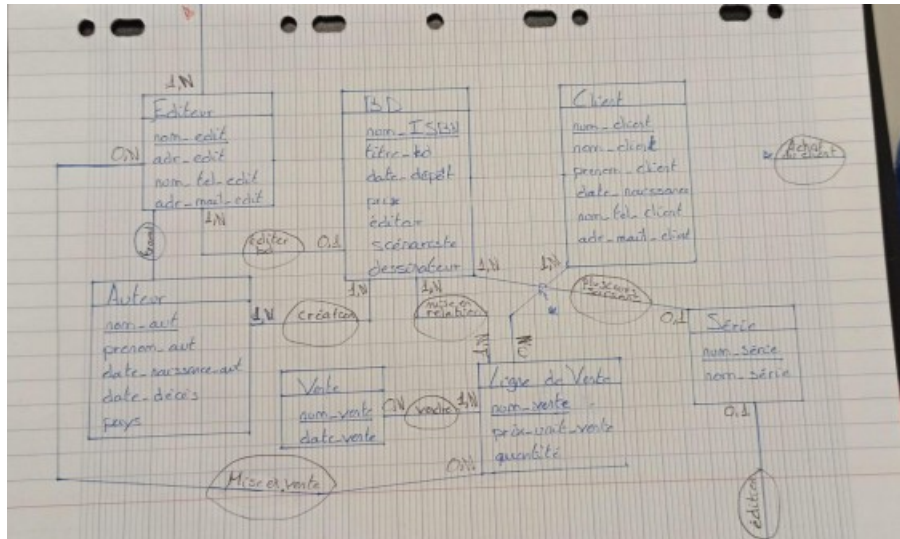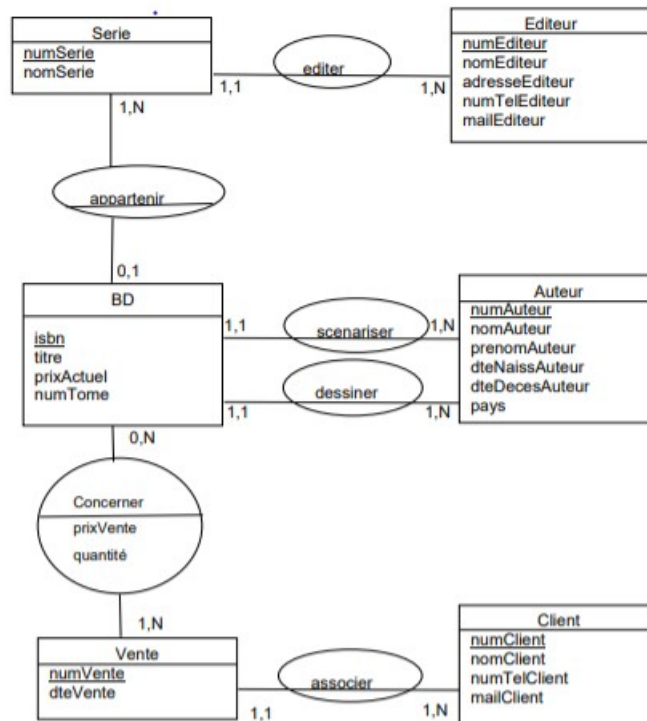Michel Alexandre   SAE1_04   Groupe: A2

Rapport Numéro 2

Modèle Entités/Associations
Pour la base de données BD'lire

Parmi ces deux modèles entités associations nous pouvons observer très peu de différences mais tout de même des différences majeures.
C'est-à-dire que dans le EA (Entité Associations) donnés pour la phase numéro 2 nous pouvons observer une double associations (scenariser et dessiner) entre BD et Acteur tandis que sur mon EA effectué pour la phase numéro 1 on peut observer que je n'y ai pas créé de double associations mais en ai fais qu'une seule (creation).
Puis il y a aussi le fait que sur mon EA j'ai relié BD et Editeur par le biais de (éditer) tandis que sur celui de la phase 2 Editeur est indirectement relié à BD grâce à Serie (que je possède aussi dans la phase 1 mais que j'ai relié directement à BD et à Editeur).
Ou encore nous pouvons identifier quelques différences dans les précisions des associations.

Modèle Logique Dérivé :

Serie(numSerie, nomSerie, numEditeur#)

Editeur (numEditeur, nomEditeur, adresseEditeur, numTelEditeur, mailEditeur)

BD(isbn, titre, prixActuel, numTome, numSerie#, numAuteur#, numVente#)

Auteur(numAuteur, nomAuteur, prenomAuteur, dteNaissAuteur, dteDecesAuteur, pays)

Vente(numVente, dteVente, numClient#)

Client(numClient, nomClient, numTelClient, mailClient)

Concerner (isbn#, numVente#, prixVente, quantité)

Script de Créations des Tables :


```
-- ======================================================= --
--          SUPPRIMER LES TABLES              --
-- ======================================================= --

DROP TABLE DetailVente ;
DROP TABLE BD ;
DROP TABLE Vente ;
DROP TABLE Serie ;
DROP TABLE Editeur ;
DROP TABLE Auteur ;
DROP TABLE Client ;


-- ======================================================= --
--          CREATION DES TABLES               --
-- ======================================================= --
```

```sql
CREATE TABLE Editeur
(
    NumEditeur    SERIAL PRIMARY KEY,
    NomEditeur    TEXT NOT NULL,
    AdresseEditeur TEXT,
    NumTelEditeur  VARCHAR( 14 ),
    MailEditeur   TEXT
) ;

CREATE TABLE Serie
(
    NumSerie   SERIAL PRIMARY KEY,
    NomSerie   TEXT NOT NULL,
    NumEditeur INT REFERENCES Editeur ( NumEditeur ) NOT NULL
) ;

CREATE TABLE Auteur
(
    NumAuteur     SERIAL PRIMARY KEY,
    NomAuteur     TEXT NOT NULL,
    PrenomAuteur   TEXT,
    DteNaissAuteur DATE,
    DteDecesAuteur DATE,
    Pays        TEXT
) ;

CREATE TABLE Client
(
    NumClient    SERIAL PRIMARY KEY,
    NomClient    TEXT,
    NumTelClient  VARCHAR( 14 ),
    MailClient   TEXT
) ;

CREATE TABLE Vente
(
    NumVente  SERIAL PRIMARY KEY,
    DteVente  DATE,
    NumClient INT REFERENCES Client ( NumClient ) NOT NULL
) ;

CREATE TABLE BD
(
    ISBN        VARCHAR( 17 ) PRIMARY KEY,
    Titre       TEXT,
    PrixActuel    REAL                NOT NULL,
    NumTome      INT,
    DteDepotLegal  VARCHAR( 7 )            NOT NULL,
    NumSerie      INT REFERENCES Serie ( NumSerie ),
    NumScenariste  INT REFERENCES Auteur ( NumAuteur ) NOT NULL,
```

```
    NumDessinateur INT REFERENCES Auteur ( NumAuteur ) NOT NULL
) ;
CREATE TABLE DetailVente
(
   ISBN      VARCHAR( 17 ) REFERENCES BD    ( ISBN    ) NOT NULL,
   NumVente  INT        REFERENCES Vente ( NumVente ) NOT NULL,
   PrixVente REAL,
   Quantite  INT                          NOT NULL,

   PRIMARY KEY ( ISBN, NumVente )
) ;
```

En ce qui concerne la création des Tables nous avons décidés d'utiliser des TEXT pour tout ce qui concerne les Titres les noms des Clients et leurs adresses mails, le prénom des Auteurs et les pays et adresse et adresse mail des Editeurs.
Nous avons fais ce choix car celui-ci permet de n'avoir aucune limite de taille contrairement au varchar() ou nous sommes obligés d'y entrer une taille maximale et donc peut potentiellement créer des problèmes envers des titres, des adresses et adresses mails plus long(ues) que la taille maximale insérer.

Nous avons tout de même utilisé des varchar() en ce qui concerne l'ISBN de BD car l'ISBN d'une BD ne change pas de taille, celle-ci restera toujours sous cette forme là et dans cette taille là.
Et oui nous avons choisis un varchar au lieu d'un int ou bigint car le varchar nous permet d'obtenir un meilleur affichage, par exemple de ce type → 978-7979-7878 au lieu de → 987898789.
Donc ce choix a été fait pour accroître la lisibilité.
Et nous l'avons aussi utilisé pour la Date de dépôt légal car celle-ci aussi ne change pas de forme ni de taille donc inutile de prévoir un TEXT avec une taille infinie (et donc aussi permet d'éviter des erreurs d'écritures à cause d'erreurs d'inattention)

Lors de la création de la Table DetailVente nous avons utilisé un REAL pour PrixVente car celui-ci peut contenir des prix sous cette forme → 15,9 ou encore 18,4 etc, avec un int nous aurions été dans l'impossibilité de mettre des prix à virgules et aurions été obligé soit de les arrondir soit de ne pas les entrer.

Et enfin pour les DATE que nous avons utilisé pour Date de naissance et de mort de l'auteur et date de vente pour obtenir une date directement sous la forme → jj/mm/aaaa.

Et pour finir les Not Null que nous avons placé le plus judicieusement possible afin d'avoir l'obligation de créer une base de données bien ordonnées et organisées sans pour autant avoir trop de limite.
Nous avons fais en sorte de réfléchir à quelle informations les utilisateurs voulant entrer une valeur ou plusieurs valeurs dans nôtre base de données pouvais avoir en leurs possessions et lesquels ils peuvent ne pas avoir.
Et donc en conséquence nous avons placé des Not Null après tout ce qui est quantité, le numéro de vente, l'ISBN que ce soit dans BD ou DetailVente, les dates en générales pour avoir un aperçu des mises en lignes de chacune des BD ou encore pour avoir accès à un autre système de tris.

Script d'Insertions dans les Tables (avec énormément de valeurs supplémentaire afin d'effectuer des tests plus poussés) :

ATTENTION SCRIPT D'INSERTIONS EXTREMEMENT LONG DU AUX MILIERS DE VALEURS INSEREES EN PLUS

```
--============================================================ --
--           INSERTION DES TUPLES              --
--============================================================ --

INSERT INTO Client ( NomClient, NumTelClient, MailClient ) VALUES
( 'Torguesse Paul', '03 33 08 67 87', 'mail@lisse.com' ),
( 'Fissile Teddy', '04 98 04 71 29', 'mail@ange.fr' ),
( 'Hauraque Anne', '06 37 46 13 75', 'mail@odie.net' ),
( 'Poret Éva', '04 04 05 36 45', 'mail@he.fr' ),
( 'Menvussa Gérard', '08 71 72 00 86', 'mail@lisse.com' ),
( 'Timable Inès', '06 56 53 01 40', 'mail@limelo.com' ),
( 'Don Devello', '08 78 63 01 68', 'mail@he.fr' ),
( 'Ohm Maxime', '06 17 76 81 86', 'mel@odie.net' ),
( 'Ginal Lorie', '08 89 78 48 51', 'mel@ange.fr' ),
( 'Hautine Guy', '02 75 25 73 17', 'mail@bas.com' ),
( 'Kament Medhi', '08 21 24 15 54', NULL );

INSERT INTO Auteur ( NomAuteur, PrenomAuteur, DteNaissAuteur, DteDecesAuteur, Pays )
VALUES
( 'Aubin', 'Antoine', '1967-08-08', NULL, 'France' ),
( 'Benoit', 'Ted', '1947-07-25', '2016-09-30', 'France' ),
( 'Berserik', 'Teun', '1955-09-01', NULL, 'PAYS-BAS' ),
( 'Cailleaux', 'Christian', '1967-01-01', NULL, 'France' ),
( 'Cécil', NULL, '1966-05-18', NULL, 'France' ),
( 'Conrad', 'Didier', '1959-05-06', NULL, 'France' ),
( 'Corbeyran', 'Eric', '1964-12-14', NULL, 'France' ),
( 'Cuveele', 'Delphine', NULL, NULL, 'France' ),
( 'Delaby', 'Philippe', '1961-01-21', '2014-01-28', 'Belgique' ),
( 'Dufaux', 'Jean', '1949-07-06', NULL, 'Belgique' ),
( 'Ferri', 'Jean-Yves', '1959-04-25', NULL, 'France' ),
( 'Garel', 'Roland', '1930-08-26', '2015-02-15', 'France' ),
( 'Golo', NULL, '1948-08-26', NULL, 'France' ),
( 'Goscinny', 'René', '1926-08-14', '1977-11-05', 'France' ),
( 'Gossery', 'Albert', '1913-01-01', '2008-01-06', 'Egypte' ),
( 'Jacobs', 'Edgar', NULL, '1904-03-30', 'Belgique' ),
( 'Juillard', 'André', '1948-09-06', NULL, 'France' ),
( 'Kouno', 'Fumiyo', '1968-09-01', NULL, 'Japon' ),
( 'Lécureux', 'Roger', '1925-07-04', '1999-12-31', 'France' ),
( 'Loisel', 'Régis', '1951-12-04', NULL, 'France' ),
( 'Masi', 'Giovanni', '1980-01-01', NULL, 'Italie' ),
( 'Monin', 'Arno', '1981-11-06', NULL, 'France' ),
( 'Plessix', 'Michel', '1959-11-10', '2017-08-21', 'France' ),
( 'Rosinski', 'Grzegorz', '1941-08-03', NULL, 'Pologne' ),
( 'Séchan', 'Lolita', '1980-08-09', NULL, 'France' ),
( 'Sente', 'Yves', '1964-01-17', NULL, 'Belgique' ),
( 'Sterne', 'René', '1952-08-25', '2006-11-15', 'Belgique' ),
( 'Tezuka', 'Osamu', '1928-11-03', '1989-02-15', 'Japon' ),
( 'Tillier', 'Béatrice', '1972-09-18', NULL, 'France' ),
( 'Tronchet', '09/29/1958', NULL, NULL, 'France' ),
( 'Uderzo', 'Albert', '1927-04-25', '2020-03-24', 'France' ),
```

('VanHamme', 'Jean', '1939-01-16', NULL, 'Belgique'),
('Watanabe', 'Yoshiko', NULL, NULL, 'Japon') ;

INSERT INTO Editeur (NomEditeur, AdresseEditeur, NumTelEditeur, MailEditeur) VALUES
('Delcourt', '8 rue Léon Jouhaux, 75010 Paris', '01 56 03 92 20', 'accueil-paris@groupedelcourt.com'),
('Dargaud', '57 rue Gaston Tessier 75019 PARIS', '01 53 26 32 32', 'contact@dargaud.fr'),
('Hélium', '18, rue Séguier, 75006 Paris', '01 55 42 65 14', 'info@helium-editions.fr'),
('Les Humanoïdes Associés', '24, avenue Philippe Auguste 750111 Paris', '01 49 29 88 88', 'editorial@humano.com'),
('Pika Edition', '58, rue Jean-Bleuzen CS 70007 92178 Vanves Cedex', '01 43 92 30 00', 'mypika@pika.fr'),
('Bamboo Edition', '290 route des Allogneraies 71850 Charnay-les-Mâcon', '03 85 34 99 09', 'c.loiselet@bamboo.fr'),
('Vents d Ouest', '31/33, rue Ernest-Renan, 92130 Issy-les-Moulineaux', '04 50 27 85 41', 'ventsdouest@videotron.ca'),
('Lombard (Le)', '57, rue Gaston TessierF - 75019 Paris', NULL, 'info@lombard.be'),
('Tonkam', NULL, NULL, NULL) ;

INSERT INTO Serie (NomSerie, NumEditeur) VALUES
('Le Vent dans les Saules', 1),
('Astérix le gaulois', 2),
('Le Réseau Bombyce', 4),
('Dans un recoin de ce monde', 5),
('L histoire des 3 Adolf', 9),
('L Adoption', 6),
('Les Damnés de la terre associés', 1),
('Peter Pan', 7),
('Complainte des landes perdues', 2),
('Les Aventures de Blake et Mortimer', 8) ;

INSERT INTO BD (ISBN, Titre, DteDepotLegal, PrixActuel, NumSerie, NumTome, NumScenariste, NumDessinateur) VALUES
('978-2-7560-2538-4', 'Le bois sauvage',   '10-1996', 15.5,   1, 1, 23, 23),
('978-2-7560-2539-1', 'Auto, Crapaud, Blaireau',   '01-1998', 15.5,   1, 2, 23, 23),
('978-2-7560-2540-7', 'Léchapée belle',   '08-1999', 15.5,   1, 3, 23, 23),
('978-2-7560-2541-4', 'Foutoir au manoir',   '11-2001', 15.5,   1, 4, 23, 23),
('978-2-2050-0096-2', 'Astérix le gaulois',   '07-1961', 12,   2, 1, 14, 31),
('978-2-0121-0134-0', 'La serpe dor',   '07-1962', 12,   2, 2, 14, 31),
('978-2-0121-0135-7', 'Astérix et les Goths',   '07-1963', 12,   2, 3, 14, 31),
('978-2-0121-0136-4', 'Astérix Gladiateur',   '07-1964', 12,   2, 4, 14, 31),
('978-2-0121-0137-1', 'Le tour de Gaule dAstérix',   '01-1965', 12,   2, 5, 14, 31),
('978-2-0121-0138-8', 'Astérix et Cléopâtre',   '07-1965', 12,   2, 6, 14, 31),
('978-2-0121-0139-5', 'Le combat des chefs',   '01-1966', 12,   2, 7, 14, 31),
('978-2-0121-0140-1', 'Astérix chez les Bretons',   '07-1966', 12,   2, 8, 14, 31),
('978-2-0121-0141-8', 'Astérix et les Normands',   '10-1966', 12,   2, 9, 14, 31),
('978-2-0121-0142-5', 'Astérix Légionnaire',   '07-1967', 12,   2, 10, 14, 31),
('978-2-0121-0143-2', 'Le bouclier Arverne',   '01-1968', 12,   2, 11, 14, 31),
('978-2-0121-0144-9', 'Astérix aux jeux Olympiques',   '07-1968', 12,   2, 12, 14, 31),
('978-2-0121-0145-6', 'Astérix et le chaudron',   '01-1969', 12,   2, 13, 14, 31),
('978-2-0121-0146-3', 'Astérix en Hispanie',   '10-1969', 12,   2, 14, 14, 31),
('978-2-0121-0147-0', 'La zizanie',   '04-1970', 12,   2, 15, 14, 31),

('978-2-0121-0148-7', 'Astérix chez les Helvètes',   '10-1970', 12,   2, 16, 14, 31),
('978-2-0121-0149-4', 'Le domaine des dieux',   '10-1971', 12,   2, 17, 14, 31),
('978-2-0121-0150-0', 'Les lauriers de César',   '01-1972', 12,   2, 18, 14, 31),
('978-2-0121-0151-7', 'Le devin',   '10-1972', 12,   2, 19, 14, 31),
('978-2-0121-0152-4', 'Astérix en Corse',   '04-1973', 12,   2, 20, 14, 31),
('978-2-0121-0153-1', 'Le cadeau de César',   '07-1974', 12,   2, 21, 14, 31),
('978-2-0121-0154-8', 'La grande traversée',   '04-1975', 12,   2, 22, 14, 31),
('978-2-0121-0155-5', 'Obélix et compagnie',   '04-1976', 12,   2, 23, 14, 31),
('978-2-0121-0156-2', 'Astérix chez les Belges',   '01-1979', 12,   2, 24, 14, 31),
('978-2-8649-7000-2', 'Le Grand Fossé',   '04-1980', 12,   2, 25, 31, 31),
('978-2-8649-7004-0', 'Lodyssée dAstérix',   '10-1981', 12,   2, 26, 31, 31),
('978-2-8649-7011-8', 'Le fils dAstérix',   '10-1983', 12,   2, 27, 31, 31),
('978-2-8649-7020-0', 'Astérix chez Rahãzade',   '10-1987', 12,   2, 28, 31, 31),
('978-2-8649-7053-8', 'La rose et le glaive',   '10-1991', 12,   2, 29, 31, 31),
('978-2-8649-7096-5', 'La galère dObélix',   '07-1996', 12,   2, 30, 31, 31),
('978-2-8649-7143-6', 'Astérix et Latraviata',   '03-2001', 12,   2, 31, 31, 31),
('978-2-8649-7153-5', 'Astérix et la rentrée gauloise',   '01-1993', 12,   2, 32, 14, 31),
('978-2-8649-7170-2', 'Le ciel lui tombe sur la tête1',   '10-2005', 12,   2, 33, 31, 31),
('978-2-8649-7230-3', 'LAnniversaire dAstérix & Obélix - Le livre dOr', '10-2009', 12,   2, 34, 14, 31),
('978-2-8649-7266-2', 'Astérix chez les Pictes',   '10-2013', 12,   2, 35, 11, 6),
('978-2-8649-7271-6', 'Le papyrus de César',   '10-2015', 12,   2, 36, 11, 6),
('978-2-8649-7327-0', 'Astérix et la Transitalique',   '10-2017', 12,   2, 37, 11, 6),
('978-2-8649-7342-3', 'La Fille de Vercingétorix',   '10-2019', 12,   2, 38, 11, 6),
('978-2-8649-7349-2', 'Astérix et le Griffon',   '10-2021', 12,   2, 39, 11, 6),
('978-2-0918-9263-4', 'LAuberge Rouge',   '04-1969', 12,   NULL, NULL, 19, 12),
('978-2-2050-5419-4', 'Les couleurs de linfamie',   '03-2003', 12,   NULL, NULL, 15, 13),
('978-2-5050-1037-1', 'Lhistoire de Sayo',   '01-2011', 12,   NULL, NULL, 21, 33),
('978-2-7560-5126-0', 'Les brumes de Sapa',   '10-2016', 18,   NULL, NULL, 25, 25),
('978-2-3585-1036-3', 'Marshmalone',   '09-2010', 18,   NULL, NULL, 25, 25),
('978-2-7316-2306-2', 'Papillons de nuit',   '11-1999', 15.75,   3, 1, 7, 5   ),
('978-2-7316-2307-9', 'Monsieur lune',   '12-2002', 15.75,   3, 2, 7, 5   ),
('978-2-7316-1723-8', 'Stigmates',   '11-2010', 15.75,   3, 3, 7, 5   ),
('978-2-5050-6976-8', NULL,   '08-2013', 11.5,   4, 1, 18, 18),
('978-2-3763-2021-0', NULL,   '12-2013', 11.5,   4, 2, 18, 18),
('978-2-9126-2829-9', NULL,   '07-1998', 18.4,   5, 1, 28, 28),
('978-2-9126-2830-5', NULL,   '12-1998', 18.4,   5, 2, 28, 28),
('978-2-9126-2831-2', NULL,   '03-1999', 18.4,   5, 3, 28, 28),
('978-2-9126-2832-9', NULL,   '07-1999', 18.4,   5, 4, 28, 28),
('978-2-8189-3603-0', 'Qinaya',   '05-2016', 15.9,   6, 1, 22, 22),
('978-2-8189-4170-6', 'La Garúa',   '06-2017', 15.9,   6, 2, 22, 22),
('978-2-8189-7689-0', 'Wajdi',   '10-2021', 15.9,   6, 3, 22, 22),
('978-2-9061-8707-8', 'Stars dun jour…',   '10-1987', 13.5,   7, 1, 30, 30),
('978-2-9061-8719-1', 'Stars toujours !',   '11-1998', 13.5,   7, 2, 30, 30),
('978-2-9061-8761-0', 'Jours de stars',   '03-1991', 13.5,   7, 3, 30, 30),
('978-2-2260-7457-7', 'Au bonheur des drames',   '09-1994', 13.5,   7, 4, 30, 30),

```
('978-2-2260-8516-0', 'Les rois du rire',                    '10-1996', 13.5,    7, 5, 30, 30  ),
('978-2-2261-1485-3', 'Pauvres mais fiers',                  '11-2000', 13.5,    7, 6, 30, 30  ),
('978-2-7493-0701-5', 'Londres',                             '11-1990', 14,      8, 1, 20, 20  ),
('978-2-7493-0702-2', 'Opikanoba',                           '09-1992', 14,      8, 2, 20, 20  ),
('978-2-7493-0703-9', 'Tempête',                             '11-1994', 14,      8, 3, 20, 20  ),
('978-2-7493-0704-6', 'Mains rouges',                        '09-1996', 14,      8, 4, 20, 20  ),
('978-2-7493-0705-3', 'Crochet',                             '01-2002', 14,      8, 5, 20, 20  ),
('978-2-7493-0706-0', 'Destins',                             '10-2004', 14,      8, 6, 20, 20  ),
('978-2-5050-0539-1', 'Sioban',                              '01-1993', 14.5,    9, 1, 10, 24  ),
('978-2-5050-0540-7', 'Blackmore',                           '01-1994', 14.5,    9, 2, 10, 24  ),
('978-2-5050-0541-4', 'Dame Gerfaut',                        '01-1996', 14.5,    9, 3, 10, 24  ),
('978-2-5050-0542-1', 'Kyle of Klanach',                     '10-1998', 14.5,    9, 4, 10, 24  ),
('978-2-5050-0478-3', 'Moriganes',                           '10-2004', 14.5,    9, 5, 10, 9   ),
('978-2-5050-0464-6', 'Le Guinea Lord',                      '10-2008', 14.5,    9, 6, 10, 9   ),
('978-2-5050-1387-7', 'La Fée Sanctus',                      '06-2012', 14.5,    9, 7, 10, 9   ),
('978-2-5050-1979-4', 'Sill Valt',                           '11-2014', 14.5,    9, 8, 10, 9   ),
('978-2-5050-6350-6', 'Tête noire',                          '10-2015', 14.5,    9, 9, 10, 29  ),
('978-2-5050-6399-5', 'La pluie',                            '01-2019', 14.5,    9, 10, 10, 29 ),
('978-2-8709-7165-9', 'Le secret de lespadon 1',             '01-1984', 15.9,    10, 1, 16, 16  ),
('978-2-8709-7166-6', 'Le secret de lespadon 2',             '01-1985', 15.9,    10, 2, 16, 16  ),
('978-2-8709-7167-3', 'Le secret de lespadon 3',             '01-1986', 15.9,    10, 3, 16, 16  ),
('978-2-8709-7168-0', 'Le Mystère de la grande pyramide 1',  '01-1987', 15.9,    10, 4, 16,
16  ),
('978-2-8709-7169-7', 'Le Mystère de la grande pyramide 2',  '01-1987', 15.9,    10, 5, 16,
16  ),
('978-2-8709-7170-3', 'La marque Jaune',                     '01-1987', 15.9,    10, 6, 16, 16  ),
('978-2-8709-7171-0', 'Lénigne de latlantide',               '01-1988', 15.9,    10, 7, 16, 16  ),
('978-2-8709-7172-7', 'S.O.S. Météores',                     '01-1989', 15.9,    10, 8, 16, 16  ),
('978-2-8709-7173-4', 'Le piège diabolique',                 '01-1990', 15.9,    10, 9, 16, 16  ),
('978-2-8709-7174-1', 'Laffaire du collier',                 '01-1991', 15.9,    10, 10, 16, 16 ),
('978-2-8709-7175-8', 'Les 3 formules du professeur Sato 1', '01-1990', 15.9,    10, 11, 16,
16  ),
('978-2-8709-7176-5', 'Les 3 formules du professeur Sato 2', '01-1990', 15.9,    10, 12, 16,
16  ),
('978-2-8709-7177-2', 'Laffaire Francis Blake',              '01-1996', 15.9,    10, 13, 32, 2  ),
('978-2-8709-7178-9', 'La machination Voronov',              '01-2000', 15.9,    10, 14, 26, 17 ),
('978-2-8709-7179-6', 'Létrange rendez-vous',                '09-2001', 15.9,    10, 15, 32, 2  ),
('978-2-8709-7180-2', 'Les Sarcophages du 6ème continent 1', '11-2003', 15.9,    10, 16, 26,
17 ),
('978-2-8709-7181-9', 'Les Sarcophages du 6ème continent 2', '10-2004', 15.9,    10, 17, 26,
17 ),
('978-2-8709-7182-6', 'Le Sanctuaire du Gondwana',           '03-2008', 15.9,    10, 18, 26, 17 ),
('978-2-8709-7183-3', 'La malédiction des trente deniers 1', '11-2009', 15.9,    10, 19, 32, 27 ),
('978-2-8709-7184-0', 'La malédiction des trente deniers 2', '11-2010', 15.9,    10, 20, 32, 1  ),
('978-2-8709-7164-2', 'Le serment des cinq lords',           '11-2012', 15.9,    10, 21, 26, 17 ),
('978-2-8709-7189-5', 'Londe Septimus',                      '12-2013', 15.9,    10, 22, 10, 1  ),
('978-2-8709-7193-2', 'Le bâton de Plutarque',               '12-2014', 15.9,    10, 23, 26, 17 ),
('978-2-8709-7242-7', 'Le testament de William S.',          '11-2016', 15.9,    10, 24, 26, 17 ),
('978-2-8709-7244-1', 'La valée des immortels 1',            '11-2018', 15.9,    10, 25, 26, 3  ),
('978-2-8709-7281-6', 'La valée des immortels 2',            '11-2019', 15.9,    10, 26, 26, 3  ),
('978-2-8709-7292-2', 'Le cri du Moloch',                    '11-2020', 15.9,    10, 27, 10, 4  );
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Créations d'une quinzaine de Requêtes SQL :

--Q1 : Affiche le détail des BD ayant le prix le plus élevé--
SELECT ISBN, Titre, PrixActuel
FROM BD
WHERE PrixActuel = (SELECT MAX(PrixActuel)
                      FROM BD) ;

--Q2 : Affiche le détail des BD ayant le prix le moins élévé--
SELECT ISBN, Titre, PrixActuel
FROM BD
WHERE PrixActuel = (SELECT MIN(PrixActuel)
                     FROM BD) ;
--Q3 : Afficher la/les séries ayant le plus de tomes
 --Q4 : Afficher la/les séries ayant le plus de ventes de tomes
--Q5 : Afficher la BD la plus vendue en une vente--
SELECT DISTINCT b.ISBN, Titre, MAX(Quantite)
FROM BD d JOIN DetailVente b
        ON d.ISBN = b.ISBN GROUP BY Quantite ;
--Q6 : Afficher la BD la moins vendue en une vente--
SELECT DISTINCT b.ISBN, Titre
FROM BD d JOIN DetailVente b
         ON d.ISBN = b.ISBN GROUP BY SUM(Quantite) ;
--Q7 : Editer le num et nom des Auteurs--
--Q8 : Afficher la Bd dont l'ISBN est 9782756025384--
--Q9 : Afficher le nom des BD étant sorties en l'an 1966--
--Q10 : Afficher le jour ou il y a eu le plus de ventes de BD--
--Q11 : Afficher toutes les BD d'une série-- SELECT ISBN, Titre FROM BD WHERE
--Q12 : Afficher la moyenne des ventes de la série Astérix--
--Q13 : Donner le nombre total de ventes des BD.--
SELECT SUM(Quantite)
FROM DetailVente ;
--Q14 : Donner les noms et prénoms des auteurs et des pays par ordre de pays--
--Q15 : Donner les auteurs étant décédés. --