|  |
| --- |
|  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Mnémonique | Significations | Types | Longueurs | Paramètres | Observations |
| Id\_at | Identifiant \_atlete | entier | 3 | unique |  |
| Nm\_at | Nom\_atlete | variable | 30 | Mandatory |  |
| Pr\_at | Prenom\_atlete | variable | 15 | Mandatory |  |
| Genre | genre | varchar | 10 | Mandatory |  |
| Discp\_at | Discipline\_atlete | varchar | 20 | Mandatory |  |
| Poids | poids | decimal | 3 | Mandatory |  |
|  |  |  |  |  |  |
| Id\_fed | Identifiant\_federation | Entier | 3 | unique |  |
| Nom | nom | varchar | 30 | Mandatory |  |
| Nbres\_atl | Nombres d’atlete | entier | 3 | Mandatory |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| Id\_stade | Identifiant\_stade | entier | 3 | unique |  |
| Nom\_st | Nom\_stade | varchar | 30 | Mandatory |  |
| Nm\_ville | Nom\_ville | varchar | 30 | Mandatory |  |
| Dat\_renc | Date\_rencontre | date | 10 | Mandatory |  |
| Nbr\_renc | Nombres\_rencontre | entier | 3 | Mandatory |  |
| Date\_rec | Date\_record | date | 10 | Mandatory |  |
|  |  |  |  |  |  |
| Id\_discip | Identifiant disciplime | entier | 3 | unique |  |
| Nm\_disc | Nom\_discipline | Varchar | 25 | Mandatory |  |
| Nm\_vainq\_disc | Nom\_vainqueur | Varchar | 30 | Mandatory |  |
|  |  |  |  |  |  |
| Id\_clas | Identifiant classement | entier | 3 | unique |  |
| Nm\_vainq | Nom\_vainqueur | Varchar | 30 | Mandatory |  |
| Clas\_init | Classement\_initial | Entier | 4 | Mandatory |  |
| Clas\_fin | Classement\_final | Entier | 4 | Mandatory |  |
| Point | point | Entier | 4 | Mandatory |  |
|  |  |  |  |  |  |
| Id\_rec | Identifiant\_record | Entier | 3 | unique |  |
| genre | genre | varchar | 10 | Mandatory |  |
| Date\_renc | Date | date | 10 | Mandatory |  |
| Stade | stade | Varchar | 30 | Mandatory |  |
| Ville | Ville | Varchar | 30 | Mandatory |  |
|  |  |  |  |  |  |

|  |
| --- |
|  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Mnémoniques | Significations | | types | longueurs | Paramètres | Observations |
|  |  | |  |  |  |  |
| Id\_plag | Identifiant\_plage | | Entier | 3 | unique |  |
| Nm\_plag | Nom\_plage | | Varchar | 30 | Mandatory |  |
| Longueur | Longueur | | Decimal | 4.1 | Mandatory |  |
| Nat\_plag | Nature\_plage | | Varchar | 15 | Mandatory |  |
|  |  | |  |  |  |  |
| Id\_dpt | Identifiant\_departement | | Entier | 3 | unique |  |
| Nm\_resp | Nom\_responsable | | Varchar | 30 | Mandatory |  |
| Pren\_resp | Prenom\_responsable | | Varchar | 30 | Mandatory |  |
|  |  | |  |  |  |  |
| Id\_vil | Identifiant\_ville | | Entier | 3 | unique |  |
| Nm\_vil | Nom\_ville | | Varchar | 30 | Mandatory |  |
| Cd\_post | Code\_postal | | Varchar | 5 | Mandatory |  |
| Nbr\_tour | Nombres touristes | | Entier | 6 | Mandatory |  |
|  |  | |  |  |  |  |
| Id\_nat\_plg | Identifiant\_nature\_plage | | Entier | 3 | unique |  |
|  | |
|  | |
|  | |
|  | |
| Nom\_nat\_plag | Nom\_nature\_plage | | Varchar | 30 | Mandatory |  |
|  |  | |  |  |  |  |

|  |
| --- |
|  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Mnemonic | Meaning | Types | Length | Paramèters | Observations |
| Id\_loan | Identifier\_loan | N | 3 | Unique | Not null |
| Date\_loan | Date\_loandate\_loan | Date | 10 | Mandatory |  |
| Nbrs\_library | Number\_library | N | 3 | Mandatory |  |
| Nbrs\_boks\_loan | Number\_books\_loan | N | 2 | Mandatory |  |
| Title | Title | A | 30 | Mandatory |  |
|  |  |  |  |  |  |
| Id\_customer | Identifier\_customer | N | 3 | unique | Not null |
| Fisrt\_nm | First\_name | A | 30 | Mandatory |  |
| Last\_nm | Last\_name | A | 30 | Mandatory |  |
| Deposity | deposity | N | 3.1 | Mandatory |  |
|  |  |  |  |  |  |
| Id\_books | Identifier\_books | N | 3 | Unique | Not null |
| Numbers | Numbers | N | 5 | Mandatory |  |
| Editor | Editor | A | 30 | Mandatory |  |
| Author | Author | A | 30 | Mandatory |  |
|  |  |  |  |  |  |
| Id\_list | Identifier\_list\_later | N | 3 | Unique | Not null |
| Nm\_customer | Name\_customer | A | 30 | Mandatory |  |
| Ad\_customer | Adresse\_customer | A | 50 | Mandatory |  |
| Number | Number | N | 3 | Mandatory |  |

DEPENDANCES FONCTIONNELLES

Id\_loan🡪 Date,Nbrs\_library, Nbrs\_boks\_loan, Title

Id\_client 🡪 Fisrt\_nm, Last\_nm, Deposity

Id\_books 🡪 Numbers, Editor, Author

Id\_list🡪 Nm\_client, Ad\_client, Loan\_dat, Number, Title

Régles des gestions

Un livre est écrit par un ou plusieurs auteurs

Un auteur peut écrire un ou plusieurs livres

|  |
| --- |
| **EDITEUR** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Mnemonics | Meanings | Types | Lengths | Parameters | observations |
| Id\_books | Identifier book | Int | 3 | Unique | Not null |
| Isbn | Isbn | Int | 5 | Mandatory |  |
| Title | Title | Varchar | 30 | Mandatory |  |
| Price | Price | Decimal | 5.1 | Mandatory |  |
| Author | Author | Varchar | 30 | Mandatory |  |
| Edt\_date | Edition date | Date | 10 | Mandatory |  |
| Copyright | Copyright | Decimal | 5.1 | Mandatory |  |
|  |  |  |  |  |  |
| Id\_edition | Identifier edition | Int | 3 | Unique | Not null |
| Nbr\_edition | Number edition | Int | 3 | Mandatory |  |
| Nbr\_exempl | Number exemplary | Int | 9 | Mandatory |  |
| Id-aw\_win | Indentifier-award winnig | Int | 3 | unique | Not null |
| Nm\_aw\_win | Nam award winning | Varchar | 30 | Mandatory |  |
|  |  |  |  |  |  |
| Id\_auth | Identifier author | Int | 3 | Unique | Not null |
| Fist\_nm | First name | Varchar | 30 | Mandatory |  |
| Last\_nm | Last name | Varchar | 30 | Mandatory |  |
| Pseudo | Pesudonym | Varchar | 30 | Facultative |  |
|  |  |  |  |  |  |
| Id-book\_sto | Identifierbook store | Int | 3 | Unique | Not null |
| Bo\_sto\_nm | Book store name | Varchar | 30 | Mandatory |  |
| Bo\_sto\_ad | Book storeadress | Varchar | 30 | Mandatory |  |
| Bo\_sto\_com | Bookstorecommande | Int | 7 | Mandatory |  |
|  |  |  |  |  |  |

|  |
| --- |
| **Courses des chevaux** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Mnemonic | Meanings | Types | Length | Parameters | observations |
| Id\_course | identifier course | N | 3 | unique | Not null |
| Nm\_course | Name\_course | AN | 30 | Mandatory |  |
| Date\_course | Date\_course | Date | 10 | Mandatory |  |
| Num\_course | Number\_course | N | 5 | Mandatory |  |
| Num\_horse | Number\_horse | N | 5 | Mandatory |  |
|  |  |  |  |  |  |
| Id\_paris | Indentifier\_paris | N | 3 | Unique | Not null |
| Nm\_type\_paris | Name\_type\_plage | AN | 30 | Mandatory |  |
| Nm\_horse | Number\_horse | N | 5 | Mandatory |  |
| Nm\_of\_horse | Number\_of\_horse | N | 5 | Mandatory |  |
| Sums\_of\_money | Sums\_of\_money | N | 7 | Mandatory |  |
|  |  |  |  |  |  |
| Id\_results | Identifier\_results | N | 3 | Unique | Not null |
| Order\_come | Order\_come | N | 3 | Mandatory |  |
| Sums-of\_money | Sums\_of\_money | N | 7 | Mandatory |  |
| Nm\_of\_horse | Number\_of\_horse | N | 3 | Number\_of\_horse |  |
| Earnings | Earnings | N | 7 | Number\_of\_horse |  |
|  |  |  |  |  |  |

|  |
| --- |
| **CLUB DES VIDEOS** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Mnemonics | Meanings | Types | Lengths | Parameters | Observations |
| Id\_customer | Indentifier\_customer | N | 3 | Unique | Not null |
| Guar | guarantee | N | 5 | Mandatory |  |
| Nm | Name | AN | 30 | Mandatory |  |
| First\_adress | First\_adress | AN | 2 | Mandatory |  |
| Sec\_adress | Second\_adress | AN | 30 | Mandatory |  |
| Cod\_p | Code\_postal | AN | 5 | Mandatory |  |
| City | City | AN | 25 | Mandatory |  |
| Nbr\_loan | Number\_loan | N | 3 | Mandatory |  |
| Listing\_cas | Listing\_cassette | N | 3 | Mandatory |  |
| Title\_movie | Title\_movie | AN | 50 | Mandatory |  |
|  |  |  |  |  |  |
| Id\_kind | Identifier\_kind | N | 3 | Unique | Not null |
| Type | Type | AN | 5 | Mandatory |  |
| Duration | Duration | N | 3 | Mandatory |  |
| Director | Director | AN | 30 | Mandatory |  |
| Nm\_main\_actor | name\_main\_actor | AN | 30 | Mandatory |  |
| Movie\_list | Movie\_list | AN | 30 | Mandatory |  |
|  |  |  |  |  |  |
| Id\_delay | Identifier\_delay | N | 3 | Unique | Not null |
| Nm\_customer | Name\_customer | AN | 15 | Mandatory |  |
| First\_adress | First\_adress | AN | 30 | Mandatory |  |
| Scd\_adress | Second\_adress | AN | 30 | Mandatory |  |
| Cod\_p | Code\_postal | AN | 5 | Mandatory |  |
| Loan\_date | Loan\_date | Date | 10 | Mandatory | yyyymmdd |
| Cassette\_number | Cassette\_number | N | 5 | Mandatory |  |
| Title\_movie | Title\_movie | AN | 30 | Mandatory |  |
|  |  |  |  |  |  |
| Id\_cassette | Identifier\_cassette | N | 3 | Mandatory |  |
| Cassette\_number | Cassette\_number | N | 5 | Mandatory |  |
| Movie\_title |  |  |  |  |  |
| Loc\_numbers | Location\_numbers | N | 5 | Mandatory |  |
| Cassette\_state | Cassette\_state | AN | 30 | Mandatory |  |
|  |  |  |  |  |  |

|  |
| --- |
| **GESTION D’UN AEROPORT** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Mnemonics | Meanings | Types | Lenghts | Parameters | Observations |
| Id\_plane | Indentifier\_plane | N | 3 | Unique | Not null |
| Immat | Immatriculation | AN | 10 | Mandatory |  |
| Owner\_name | Owner\_name | AN | 30 | Mandatory |  |
| Plane\_type | Plane-type | AN | 15 | Mandatory |  |
| Man\_name | Manufactur\_name | AN | 30 | Mandatory |  |
| Eng\_pow | Engine\_power | N | 5 | Mandatory |  |
| Numb\_pl | Numbers\_places | N | 4 | Mandatory |  |
|  |  |  |  |  |  |
| Id-owner | Identifier\_owner | N | 3 | Unique | Not null |
| Nm\_society | Name\_society | AN | 30 | Mandatory |  |
| Nm\_part | Name\_particular | AN | 30 | Mandatory |  |
| First\_adr | First\_adress | AN | 2 | Mandatory |  |
| Second\_adr | Second\_adress | AN | 30 | Mandatory |  |
| Date\_purc | Date\_purchase | Date | 10 | Mandatory | Yyyymmdd |
|  |  |  |  |  |  |
| Id-maint | Identifier\_maintenance | N | 3 | Unique | Not null |
| Int\_objet | Intervantion\_objet | AN | 30 | Mandatory |  |
| Date | Date | Date | 10 | Mandatory | Yyyymmdd |
| Time | Time | Date | 8 | Mandatory | Hh :mm :ss |
| Mec\_name | Mechanic\_name | AN | 30 | Mandatory |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |