**TABLE SPECIFICATION**

| ATTRIBUTE | DATATYPE | CONSTRAINT | DEFAULT | DESCRIPTION |
| --- | --- | --- | --- | --- |
| **actors** |  | | | |
| actor\_id | NUMBER(9) | PK  SEQUENCE GEN\_VAL\_ACTORS |  | The unique ID of each actor |
| a\_fname | VARCHAR2(30) | NOT NULL |  |  |
| a\_lname | VARCHAR2(30) | NOT NULL |  |  |
| a\_email | VARCHAR2(30) | NOT NULL  UNIQUE  CHECK CONSTRAINT FOR THE DATA FORMAT |  | Actor’s unique email |
| a\_country | VARCHAR2(30) | NOT NULL |  |  |
| a\_gender | VARCHAR2(1) | CHECK IN (“F”,”M”,“O”) | “O” | Actor’s gender; Female, Male and Other |
| a\_DOB | DATE | NOT NULL  CHECK CONSTRAINT FOR THE DATA FORMAT |  |  |
| **series** |  | | | |
| series\_id | NUMBER(9) | PK  SEQUENCE GEN\_VAL\_SERIES |  | The unique ID of each series |
| title | VARCHAR2(30) | NOT NULL  UNIQUE |  |  |
| description | VARCHAR2(255) | NOT NULL  CHECK CONSTRAINT FOR THE DATA FORMAT |  |  |
| actor\_id | NUMBER(9) | FK TO ACTOR\_ID IN ACTORS TABLE |  |  |
| production\_date | DATE | NOT NULL  CHECK CONSTRAINT FOR THE DATA FORMAT  CHECK CONSTRAINT THAT PRODUCTION\_DATE IS EARLIER THAN RELEASE\_DATE |  | The date production began |
| release\_date | DATE | NOT NULL  CHECK CONSTRAINT FOR THE DATA FORMAT |  | The release date of the series |
| country\_origin | VARCHAR2(30) | NOT NULL |  |  |
| **casting** |  | | | |
| actor\_id | NUMBER(9) | FK TO ACTOR\_ID IN ACTORS TABLE |  | Part of the composite primary key actor\_id, series\_id |
| series\_id | NUMBER(9) | FK TO SERIES\_ID IN SERIES TABLE |  | Part of the composite primary key actor\_id, series\_id |
| role | VARCHAR2(30) | NOT NULL |  |  |
| **seasons** |  | | | |
| season\_id | NUMBER(9) | APPLIED SEQUENCE (SEASON\_ID\_SEQ)  TRIGGER FOR A NEW VALUE (1) FOR SEASON\_ID FOR EACH NEW SERIES |  | Part of the composite primary key season\_id, series\_id |
| series\_id | NUMBER(9) | FK TO SERIES\_ID IN SERIES TABLE |  | Part of the composite primary key season\_id, series\_id |
| **episodes** |  | | | |
| episode\_id | NUMBER(9) | APPLIED SEQUENCE (EPISODE\_ID\_SEQ)  TRIGGER FOR A NEW VALUE (1) FOR EPISODE\_ID FOR EACH NEW COMBINATION SEASON\_ID, SERIES\_ID |  | Part of the composite primary key episode\_id, season\_id, series\_id |
| season\_id | NUMBER(9) | FK TO SEASON\_ID, SERIES\_ID IN SEASONS TABLE |  | Part of the composite primary key episode\_id, season\_id, series\_id |
| series\_id | NUMBER(9) | FK TO SERIES\_ID IN SERIES TABLE |  | Part of the composite primary key episode\_id, season\_id, series\_id |
| title | VARCHAR2(50) | NOT NULL |  |  |
| length | INT | NOT NULL |  | Episode length in seconds |
| **viewers** |  | | | |
| v\_email | VARCHAR2(30) | PK  CHECK CONSTRAINT FOR THE DATA FORMAT |  | Viewer’s unique email, set as primary key |
| viewer\_id | NUMBER(9) | SEQUENCE GEN\_VAL\_VIEWERS |  | The unique ID of each viewer |
| v\_fname | VARCHAR2(30) | NOT NULL |  |  |
| v\_lname | VARCHAR2(30) | NOT NULL |  |  |
| v\_address | VARCHAR2(30) | NOT NULL |  |  |
| v\_city | VARCHAR2(30) | NOT NULL |  |  |
| v\_country | VARCHAR2(30) | NOT NULL |  |  |
| v\_gender | VARCHAR2(1) | CHECK IN ('F','M', 'O') | “O” | Viewer’s gender; Female, Male and Other |
| v\_DOB | DATE | NOT NULL  CHECK CONSTRAINT FOR THE DATA FORMAT |  |  |
| **viewership** |  | | | |
| viewership\_id | NUMBER(9) | PK  SEQUENCE VIEWERSHIP\_ID\_SEQ |  | The unique ID of each screening |
| viewer\_id | NUMBER(9) | FK TO VIEWER\_ID IN VIEWERS TABLE |  |  |
| episode\_id | NUMBER(9) | FK TO EPISODE\_ID, SEASON\_ID, SERIES\_ID IN EPISODES TABLE |  | Part of the composite foreign key episode\_id, season\_id, series\_id |
| season\_id | NUMBER(9) | FK TO EPISODE\_ID, SEASON\_ID, SERIES\_ID IN EPISODES TABLE |  | Part of the composite foreign key episode\_id, season\_id, series\_id |
| series\_id | NUMBER(9) | FK TO EPISODE\_ID, SEASON\_ID, SERIES\_ID IN EPISODES TABLE  FK TO SERIES\_ID IN SERIES TABLE FOR THE CHECK CONSTRAINT ON SCREENING\_DATE |  | Part of the composite foreign key episode\_id, season\_id, series\_id |
| screening\_date | DATE | NOT NULL  CHECK CONSTRAINT FOR THE DATA FORMAT  TRIGGER TO ENSURE THAT SCREENING\_DATE IS AFTER RELEASE\_DATE IN SERIES TABLE |  | Date the viewer watched the episode  for the first time |