Server [localhost]:

Database [postgres]:

Port [5432]:

Username [postgres]:

Password for user postgres:

psql (14.1)

WARNING: Console code page (437) differs from Windows code page (1252)

8-bit characters might not work correctly. See psql reference

page "Notes for Windows users" for details.

Type "help" for help.

postgres=# CREATE TABLE directors( director\_id SERIAL PRIMARY KEY, first\_name VARCHAR(30), last\_name VARCHAR(30)NOT NULL,date\_of\_birth DATE,nationality VARCHAR(20));

CREATE TABLE

postgres=# \d+ directors

Table "public.directors"

Column | Type | Collation | Nullable | Default | Storage | Compression | Stats target | Description

---------------+-----------------------+-----------+----------+------------------------------------------------+----------+-------------+--------------+-------------

director\_id | integer | | not null | nextval('directors\_director\_id\_seq'::regclass) | plain | | |

first\_name | character varying(30) | | | | extended | | |

last\_name | character varying(30) | | not null | | extended | | |

date\_of\_birth | date | | | | plain | | |

nationality | character varying(20) | | | | extended | | |

Indexes:

"directors\_pkey" PRIMARY KEY, btree (director\_id)

Access method: heap

postgres=# INSERT INTO DIRECTORS (first\_name, last\_name, date\_of\_birth, nationality) VALUES ('Tomas','Alfredson','1965-04-01','Swedish'),('Paul','Anderson','1970-06-26','American'),('Wes','Anderson','1969-05-01','American'),('Richard','Ayoade','1977-06-12','British'),('Luc','Besson','1959-03-18','French'),('James','Cameron','1954-08-16','American'),('Guillermo','del Toro','1964-10-09','Mexican'),('Victor','Fleming','1889-02-23','American'),('Francis','Ford Coppola','1939-04-07','American'),('Kinji','Fukasaku','1930-07-03','Japanese'),('Florian ','Henckel von Donnersmarck','1973-05-02','German'),('Terry','Jones','1942-02-01','British'),('Stanley','Kubrick','1928-07-26','American'),('John','Lasseter','1957-01-12','American'),('Ang','Lee','1954-10-23','Chinese'),('Bruce','Lee','1940-11-27','Chinese'),('George','Lucas','1944-05-14','American'),('Martin','McDonagh','1970-03-26','British'),('James','McTeigue','1967-12-29','Australian'),('Fernando','Meirelles','1955-11-09','Brazilian'),('Hayao ','Miyazaki','1941-01-05','Japanese'),('Paulo','Morelli','1966-03-10','Brazilian'),('Chan-wook','Park','1963-08-23','South Korean'),('Sam','Raimi','1959-10-23','American'),('Mark','Romanek','1959-09-18','American'),('Martin','Scorsese','1942-11-17','American'),('Ridley','Scott','1937-11-30','British'),('Tony','Scott','1944-06-21','British'),('Zack','Snyder','1966-03-01','American'),('Sion','Sono','1961-12-18','Japanese'),('Steven','Spielberg','1946-12-18','American'),('Robert','Stevenson','1905-03-31','British'),('Quentin','Tarantino','1963-03-27','American'),('Robert','Wise','1914-09-10','American'),('Kar Wai','Wong','1958-07-17','Chinese'),('Robert','Zemeckis','1952-05-14','American'),('Yimou','Zhang','1950-04-02','Chinese');

INSERT 0 37

postgres=# select \* from directors;

director\_id | first\_name | last\_name | date\_of\_birth | nationality

-------------+------------+--------------------------+---------------+--------------

1 | Tomas | Alfredson | 1965-04-01 | Swedish

2 | Paul | Anderson | 1970-06-26 | American

3 | Wes | Anderson | 1969-05-01 | American

4 | Richard | Ayoade | 1977-06-12 | British

5 | Luc | Besson | 1959-03-18 | French

6 | James | Cameron | 1954-08-16 | American

7 | Guillermo | del Toro | 1964-10-09 | Mexican

8 | Victor | Fleming | 1889-02-23 | American

9 | Francis | Ford Coppola | 1939-04-07 | American

10 | Kinji | Fukasaku | 1930-07-03 | Japanese

11 | Florian | Henckel von Donnersmarck | 1973-05-02 | German

12 | Terry | Jones | 1942-02-01 | British

13 | Stanley | Kubrick | 1928-07-26 | American

14 | John | Lasseter | 1957-01-12 | American

15 | Ang | Lee | 1954-10-23 | Chinese

16 | Bruce | Lee | 1940-11-27 | Chinese

17 | George | Lucas | 1944-05-14 | American

18 | Martin | McDonagh | 1970-03-26 | British

19 | James | McTeigue | 1967-12-29 | Australian

20 | Fernando | Meirelles | 1955-11-09 | Brazilian

21 | Hayao | Miyazaki | 1941-01-05 | Japanese

22 | Paulo | Morelli | 1966-03-10 | Brazilian

23 | Chan-wook | Park | 1963-08-23 | South Korean

24 | Sam | Raimi | 1959-10-23 | American

25 | Mark | Romanek | 1959-09-18 | American

26 | Martin | Scorsese | 1942-11-17 | American

27 | Ridley | Scott | 1937-11-30 | British

28 | Tony | Scott | 1944-06-21 | British

29 | Zack | Snyder | 1966-03-01 | American

30 | Sion | Sono | 1961-12-18 | Japanese

31 | Steven | Spielberg | 1946-12-18 | American

32 | Robert | Stevenson | 1905-03-31 | British

33 | Quentin | Tarantino | 1963-03-27 | American

34 | Robert | Wise | 1914-09-10 | American

35 | Kar Wai | Wong | 1958-07-17 | Chinese

36 | Robert | Zemeckis | 1952-05-14 | American

37 | Yimou | Zhang | 1950-04-02 | Chinese

(37 rows)

postgres=# CREATE TABLE actors(actor\_id SERIAL PRIMARY KEY, first\_name VARCHAR(30), last\_name VARCHAR(30), gender CHAR(1),date\_of\_birth DATE);

CREATE TABLE

postgres=# \d+ actors

Table "public.actors"

Column | Type | Collation | Nullable | Default | Storage | Compression | Stats target | Description

---------------+-----------------------+-----------+----------+------------------------------------------+----------+-------------+--------------+-------------

actor\_id | integer | | not null | nextval('actors\_actor\_id\_seq'::regclass) | plain | | |

first\_name | character varying(30) | | | | extended | | |

last\_name | character varying(30) | | | | extended | | |

gender | character(1) | | | | extended | | |

date\_of\_birth | date | | | | plain | | |

Indexes:

"actors\_pkey" PRIMARY KEY, btree (actor\_id)

Access method: heap

postgres=# INSERT INTO actors (first\_name, last\_name, gender, date\_of\_birth) VALUES ('Malin','Akerman','F','1978-05-12'),('Tim','Allen','M','1953-06-13'),('Julie','Andrews','F','1935-10-01'),('Ivana','Baquero','F','1994-06-11'),('Lorraine','Bracco','F','1954-10-02'),('Alice','Braga','F','1983-04-15'),('Marlon','Brando','M','1924-04-03'),('Adrien','Brody','M','1973-04-14'),('Peter','Carlberg','M','1950-12-08'),('Gemma','Chan','F','1982-11-29'),('Chen','Chang','M','1976-10-14'),('Graham','Chapman','M','1941-01-08'),('Pei-pei','Cheng','F','1946-12-04'),('Maggie ','Cheung','F','1964-09-20'),('Min-sik','Choi','M','1962-05-30'),('Yun-fat','Chow','M','1955-05-18'),('John','Cleese','M','1939-10-27'),('Paddy','Considine','M','1973-09-05'),('Abbie','Cornish','F','1982-08-07'),('Brian','Cox','M','1946-06-01'),('Scatman','Crothers','M','1910-05-23'),('Russell','Crowe','M','1964-04-07'),('Tom','Cruise','M','1962-07-03'),('Darlan','Cunha','M','1988-07-26'),('Willem','Dafoe','M','1955-07-22'),('Paul','Dano','M','1984-06-19'),('Daniel','Day-Lewis','M','1957-04-29'),('Robert','De Niro','M','1943-08-17'),(null,'Denden','M','1950-01-23'),('Leonardo','DiCaprio','M','1974-11-11'),('Peter','Dinklage','M','1969-06-11'),('Hiroki','Doi','M','1999-08-10'),('Kirsten','Dunst','F','1982-04-30'),('Shelley','Duvall','F','1949-07-07'),('Ralph','Fiennes','M','1962-12-22'),('Leandro','Firmino','M','1978-06-23'),('Carrie','Fisher','F','1956-10-21'),('Harrison','Ford','M','1942-07-13'),('Jodie','Foster','F','1962-11-19'),('James','Franco','M','1978-04-19'),('Dillon','Freasier','M','1996-03-06'),('Tatsuya','Fujiwara','M','1982-05-15'),('Mitsuru','Fukikoshi','M','1965-02-17'),('Clark','Gable','M','1901-02-01'),('Mason','Gamble','M','1986-01-16'),('Xian','Gao','M',null),('Andrew','Garfield','M','1983-08-20'),('Judy','Garland','F','1922-06-10'),('Martina','Gedeck','F','1961-09-14'),

postgres-# ('Jeff','Goldblum','M','1952-10-22'),('Carla','Gugino','F','1971-08-29'),('Alec','Guiness','M','1914-04-02'),('Jackey','Haley','M','1961-07-14'),('Mark','Hamill','M','1951-09-25'),('Tom','Hanks','M','1956-07-09'),('Daryl','Hannah','F','1958-12-03'),('Woody','Harrelson','M','1961-07-23'),('Rutger','Hauer','M','1944-01-23'),('Sally','Hawkins','F','1976-04-27'),('Kare','Hedebrant','M','1995-06-28'),('Rumi','Hiiragi','F','1987-08-01'),('Ian','Holm','M','1931-09-12'),('Dennis','Hopper','M','1936-05-17'),('Eric','Idle','M','1943-03-29'),('Miyu','Irino','M','1988-02-19'),('Samuel','Jackson','M','1948-12-21'),('Terry','Jones','M','1942-02-01'),('Milla','Jovovich','F','1975-12-17'),('Megumi','Kagurazaka','F','1981-09-28'),('Takeshi','Kaneshiro','M','1973-10-11'),('Hei-Jung','Kang','F','1982-01-04'),('Irfan','Khan','M','1967-01-07'),('Nicole','Kidman','F','1967-06-20'),('Val','Kilmer','M','1959-12-31'),('Takeshi','Kitano','M','1947-01-18'),('Keira','Knightley','F','1985-03-26'),('Sebastian','Koch','M','1962-05-31'),('Asuka','Kurosawa','F','1971-12-22'),('Andy','Lau','M','1961-09-27'),('Jude','Law','M','1972-12-29'),('Lina','Leandersson','F','1995-09-27'),('Bruce','Lee','M','1940-11-27'),('Vivien','Leigh','F','1913-11-05'),('Tony','Leung','M','1962-06-27'),('Ray','Liotta','M','1954-12-18'),('Danny','Lloyd','M','1972-10-13'),('Sihung','Lung','M','1930-01-01'),('Aki','Maeda','F','1985-07-11'),('Tobey','Maguire','M','1975-06-27'),('Francis','McDormand','F','1957-06-23'),('Malcolm','McDowell','M','1943-06-13'),('Alfred','Molina','M','1953-05-24'),('Cathy','Moriarty','F','1960-11-29'),('Ulrich','Muhe','M','1953-06-20'),('Carey','Mulligan','F','1985-05-28'),('Bill','Murray','M','1950-09-21'),('Mari','Natsuki','F','1952-05-02'),('Jack','Nicholson','M','1937-04-22'),('Connie','Nielsen','F','1965-07-03'),

postgres-# ('Ika','Nord','F','1960-04-29'),('Chuck','Norris','M','1940-03-10'),('Edward','Norton','M','1969-08-18'),('Gary','Oldman','M','1958-03-21'),('Yasmin','Paige','F','1991-06-24'),('Michael','Palin','M','1943-05-05'),('Rebecca','Pan','F','1931-12-29'),('Joe','Pesci','M','1943-02-09'),('Joaquin','Phoenix','M','1974-10-28'),('Natilie','Portman','F','1981-06-09'),('Per','Ragnar','M','1941-05-29'),('Oliver','Reed','M','1938-02-13'),('Jean','Reno','M','1948-07-30'),('Tony','Revolori','M','1996-04-28'),('Craig','Roberts','M','1991-01-21'),('Sam','Rockwell','M','1968-11-05'),('Alexandre','Rodrigues','M','1983-05-21'),('Saoirse','Ronan','F','1994-04-12'),('Roy','Scheider','M','1932-11-10'),('Jason','Schwartzmann','M','1980-06-26'),('Suraj','Sharma','M','1993-03-21'),('Martin','Sheen','M','1940-08-03'),('Douglas','Silva','M','1988-09-27'),('Dandan','Song','F','1961-08-25'),('Rafe','Spall','M','1983-03-10'),('Tilda','Swinton','F','1960-11-05'),('George','Tokoro','M','1955-01-26'),('Noah','Taylor','M','1969-09-04'),('Uma','Thurman','F','1970-04-29'),('John','Travolta','M','1954-02-18'),('Chris','Tucker','M','1971-08-31'),('Dick','Van Dyke','M','1925-12-13'),('Hugo','Weaving','M','1960-04-04'),('Olivia','Williams','F','1968-07-26'),('Mykelti','Williamson','M','1957-03-04'),('Bruce','Willis','M','1955-03-19'),('Luke','Wilson','M','1971-09-21'),('Owen','Wilson','M','1968-11-18'),('Patrick','Wilson','M','1973-07-03'),('Kate','Winslet','F','1975-10-05'),('Faye','Wong','F','1969-08-08'),('Robin','Wright','F','1966-04-08'),('Michelle','Yeoh','F','1962-08-06'),('Ji-tae','Yoo','M','1976-04-13'),('Jin-seo','Yoon','F','1983-08-05'),('Sean','Young','F','1959-11-20'),('Billy','Zane','M','1966-02-24'),('Ziyi','Zhang','F','1979-02-09');

INSERT 0 147

postgres=# select \* from actors;

actor\_id | first\_name | last\_name | gender | date\_of\_birth

----------+------------+--------------+--------+---------------

1 | Malin | Akerman | F | 1978-05-12

2 | Tim | Allen | M | 1953-06-13

3 | Julie | Andrews | F | 1935-10-01

4 | Ivana | Baquero | F | 1994-06-11

5 | Lorraine | Bracco | F | 1954-10-02

6 | Alice | Braga | F | 1983-04-15

7 | Marlon | Brando | M | 1924-04-03

8 | Adrien | Brody | M | 1973-04-14

9 | Peter | Carlberg | M | 1950-12-08

10 | Gemma | Chan | F | 1982-11-29

11 | Chen | Chang | M | 1976-10-14

12 | Graham | Chapman | M | 1941-01-08

13 | Pei-pei | Cheng | F | 1946-12-04

14 | Maggie | Cheung | F | 1964-09-20

15 | Min-sik | Choi | M | 1962-05-30

16 | Yun-fat | Chow | M | 1955-05-18

17 | John | Cleese | M | 1939-10-27

18 | Paddy | Considine | M | 1973-09-05

19 | Abbie | Cornish | F | 1982-08-07

20 | Brian | Cox | M | 1946-06-01

21 | Scatman | Crothers | M | 1910-05-23

22 | Russell | Crowe | M | 1964-04-07

23 | Tom | Cruise | M | 1962-07-03

24 | Darlan | Cunha | M | 1988-07-26

25 | Willem | Dafoe | M | 1955-07-22

26 | Paul | Dano | M | 1984-06-19

27 | Daniel | Day-Lewis | M | 1957-04-29

28 | Robert | De Niro | M | 1943-08-17

29 | | Denden | M | 1950-01-23

30 | Leonardo | DiCaprio | M | 1974-11-11

31 | Peter | Dinklage | M | 1969-06-11

32 | Hiroki | Doi | M | 1999-08-10

33 | Kirsten | Dunst | F | 1982-04-30

34 | Shelley | Duvall | F | 1949-07-07

35 | Ralph | Fiennes | M | 1962-12-22

36 | Leandro | Firmino | M | 1978-06-23

37 | Carrie | Fisher | F | 1956-10-21

38 | Harrison | Ford | M | 1942-07-13

39 | Jodie | Foster | F | 1962-11-19

40 | James | Franco | M | 1978-04-19

41 | Dillon | Freasier | M | 1996-03-06

42 | Tatsuya | Fujiwara | M | 1982-05-15

43 | Mitsuru | Fukikoshi | M | 1965-02-17

44 | Clark | Gable | M | 1901-02-01

45 | Mason | Gamble | M | 1986-01-16

46 | Xian | Gao | M |

47 | Andrew | Garfield | M | 1983-08-20

48 | Judy | Garland | F | 1922-06-10

49 | Martina | Gedeck | F | 1961-09-14

50 | Jeff | Goldblum | M | 1952-10-22

51 | Carla | Gugino | F | 1971-08-29

52 | Alec | Guiness | M | 1914-04-02

53 | Jackey | Haley | M | 1961-07-14

54 | Mark | Hamill | M | 1951-09-25

55 | Tom | Hanks | M | 1956-07-09

56 | Daryl | Hannah | F | 1958-12-03

57 | Woody | Harrelson | M | 1961-07-23

58 | Rutger | Hauer | M | 1944-01-23

59 | Sally | Hawkins | F | 1976-04-27

60 | Kare | Hedebrant | M | 1995-06-28

61 | Rumi | Hiiragi | F | 1987-08-01

62 | Ian | Holm | M | 1931-09-12

63 | Dennis | Hopper | M | 1936-05-17

64 | Eric | Idle | M | 1943-03-29

65 | Miyu | Irino | M | 1988-02-19

66 | Samuel | Jackson | M | 1948-12-21

67 | Terry | Jones | M | 1942-02-01

68 | Milla | Jovovich | F | 1975-12-17

69 | Megumi | Kagurazaka | F | 1981-09-28

70 | Takeshi | Kaneshiro | M | 1973-10-11

71 | Hei-Jung | Kang | F | 1982-01-04

72 | Irfan | Khan | M | 1967-01-07

73 | Nicole | Kidman | F | 1967-06-20

74 | Val | Kilmer | M | 1959-12-31

75 | Takeshi | Kitano | M | 1947-01-18

76 | Keira | Knightley | F | 1985-03-26

77 | Sebastian | Koch | M | 1962-05-31

78 | Asuka | Kurosawa | F | 1971-12-22

79 | Andy | Lau | M | 1961-09-27

80 | Jude | Law | M | 1972-12-29

81 | Lina | Leandersson | F | 1995-09-27

82 | Bruce | Lee | M | 1940-11-27

83 | Vivien | Leigh | F | 1913-11-05

84 | Tony | Leung | M | 1962-06-27

85 | Ray | Liotta | M | 1954-12-18

86 | Danny | Lloyd | M | 1972-10-13

87 | Sihung | Lung | M | 1930-01-01

88 | Aki | Maeda | F | 1985-07-11

89 | Tobey | Maguire | M | 1975-06-27

90 | Francis | McDormand | F | 1957-06-23

91 | Malcolm | McDowell | M | 1943-06-13

92 | Alfred | Molina | M | 1953-05-24

93 | Cathy | Moriarty | F | 1960-11-29

94 | Ulrich | Muhe | M | 1953-06-20

95 | Carey | Mulligan | F | 1985-05-28

96 | Bill | Murray | M | 1950-09-21

97 | Mari | Natsuki | F | 1952-05-02

98 | Jack | Nicholson | M | 1937-04-22

99 | Connie | Nielsen | F | 1965-07-03

100 | Ika | Nord | F | 1960-04-29

101 | Chuck | Norris | M | 1940-03-10

102 | Edward | Norton | M | 1969-08-18

103 | Gary | Oldman | M | 1958-03-21

104 | Yasmin | Paige | F | 1991-06-24

105 | Michael | Palin | M | 1943-05-05

106 | Rebecca | Pan | F | 1931-12-29

107 | Joe | Pesci | M | 1943-02-09

108 | Joaquin | Phoenix | M | 1974-10-28

109 | Natilie | Portman | F | 1981-06-09

110 | Per | Ragnar | M | 1941-05-29

111 | Oliver | Reed | M | 1938-02-13

112 | Jean | Reno | M | 1948-07-30

113 | Tony | Revolori | M | 1996-04-28

114 | Craig | Roberts | M | 1991-01-21

115 | Sam | Rockwell | M | 1968-11-05

116 | Alexandre | Rodrigues | M | 1983-05-21

117 | Saoirse | Ronan | F | 1994-04-12

118 | Roy | Scheider | M | 1932-11-10

119 | Jason | Schwartzmann | M | 1980-06-26

120 | Suraj | Sharma | M | 1993-03-21

121 | Martin | Sheen | M | 1940-08-03

122 | Douglas | Silva | M | 1988-09-27

123 | Dandan | Song | F | 1961-08-25

124 | Rafe | Spall | M | 1983-03-10

125 | Tilda | Swinton | F | 1960-11-05

126 | George | Tokoro | M | 1955-01-26

127 | Noah | Taylor | M | 1969-09-04

128 | Uma | Thurman | F | 1970-04-29

129 | John | Travolta | M | 1954-02-18

130 | Chris | Tucker | M | 1971-08-31

131 | Dick | Van Dyke | M | 1925-12-13

132 | Hugo | Weaving | M | 1960-04-04

133 | Olivia | Williams | F | 1968-07-26

134 | Mykelti | Williamson | M | 1957-03-04

135 | Bruce | Willis | M | 1955-03-19

136 | Luke | Wilson | M | 1971-09-21

137 | Owen | Wilson | M | 1968-11-18

138 | Patrick | Wilson | M | 1973-07-03

139 | Kate | Winslet | F | 1975-10-05

140 | Faye | Wong | F | 1969-08-08

141 | Robin | Wright | F | 1966-04-08

142 | Michelle | Yeoh | F | 1962-08-06

143 | Ji-tae | Yoo | M | 1976-04-13

144 | Jin-seo | Yoon | F | 1983-08-05

145 | Sean | Young | F | 1959-11-20

146 | Billy | Zane | M | 1966-02-24

147 | Ziyi | Zhang | F | 1979-02-09

(147 rows)

postgres=# CREATE TABLE movies( movie\_id SERIAL PRIMARY KEY, movie\_name VARCHAR(50), movie\_length INT, movie\_lang VARCHAR(20), release\_date DATE, age\_certificate VARCHAR(5), director\_id INT REFERENCES directors (director\_id));

CREATE TABLE

postgres=# \d+ movies

Table "public.movies"

Column | Type | Collation | Nullable | Default | Storage | Compression | Stats target | Description

-----------------+-----------------------+-----------+----------+------------------------------------------+----------+-------------+--------------+-------------

movie\_id | integer | | not null | nextval('movies\_movie\_id\_seq'::regclass) | plain | | |

movie\_name | character varying(50) | | | | extended | | |

movie\_length | integer | | | | plain | | |

movie\_lang | character varying(20) | | | | extended | | |

release\_date | date | | | | plain | | |

age\_certificate | character varying(5) | | | | extended | | |

director\_id | integer | | | | plain | | |

Indexes:

"movies\_pkey" PRIMARY KEY, btree (movie\_id)

Foreign-key constraints:

"movies\_director\_id\_fkey" FOREIGN KEY (director\_id) REFERENCES directors(director\_id)

Access method: heap

postgres=# INSERT INTO movies (movie\_name, movie\_length, movie\_lang, release\_date, age\_certificate, director\_id) VALUES ('A Clockwork Orange','112','English','1972-02-02','18','13'),('Apocalypse Now','168','English','1979-08-15','15','9'),('Battle Royale ','111','Japanese','2001-01-04','18','10'),('Blade Runner ','121','English','1982-06-25','15','27'),('Chungking Express','113','Chinese','1996-08-03','15','35'),('City of God','145','Portuguese','2003-01-17','18','20'),('City of Men','140','Portuguese','2008-02-29','15','22'),('Cold Fish','108','Japanese','2010-09-12','18','30'),('Crouching Tiger Hidden Dragon','139','Chinese','2000-07-06','12','15'),('Eyes Wide Shut','130','English','1999-07-16','18','13'),('Forrest Gump','119','English','1994-07-06','PG','36'),('Gladiator','165','English','2000-05-05','15','27'),('Gone with the Wind','123','English','1939-12-15','PG','8'),('Goodfellas','148','English','1990-09-19','15','26'),('Grand Budapest Hotel','117','English','2014-07-03','PG','3'),('House of Flying Daggers','134','Chinese','2004-03-12','12','37'),('In the Mood for Love','124','Chinese','2001-02-02','12','35'),('Jaws','134','English','1975-06-20','12','31'),('Leon','123','English','1994-11-18','15','5'),('Let the Right One In','128','Swedish','2008-10-24','15','1'),('Life of Brian','126','English','1979-08-17','15','12'),('Life of Pi','129','English','2012-11-21','PG','15'),('Mary Poppins','87','English','1964-08-29','U','32'),('Never Let Me Go','117','English','2010-09-15','15','25'),('Oldboy','130','Korean','2005-03-25','18','23'),('Pans Labyrinth','98','Spanish','2006-12-29','PG','7'),('Ponyo','107','Japanese','2009-08-14','U','21'),('Pulp Fiction','136','English','1994-10-14','15','33'),('Raging Bull','132','English','1980-11-14','18','26'),('Rushmore','104','English','1998-11-12','12','3'),('Spider-Man','118','English','2002-05-03','PG','24'),('Spider-Man 2','115','English','2004-06-30','PG','24'),('Spider-Man 3','112','English','2007-05-04','PG','24'),('Spirited Away','120','Japanese','2001-06-19','U','21'),('Star Wars: A New Hope','123','English','1977-05-25','PG','17'),('Star Wars: Empire Strikes Back','150','English','1980-05-21','PG','17'),('Star Wars: Return of the Jedi','139','English','1983-05-25','PG','17'),('Submarine','115','English','2011-06-03','15','4'),('Taxi Driver','117','English','1976-02-7','15','26'),('The Darjeeling Limited','119','English','2007-09-29','PG','3'),('The Fifth Element','149','English','1997-05-09','12','5'),('The Lives of Others','165','German','2007-02-09','15','11'),('The Shining','126','English','1980-05-23','18','13'),('The Sound of Music','91','English','1965-03-02','U','34'),('The Wizard of Oz','120','English','1939-08-25','U','8'),('There Will Be Blood','168','English','2007-12-26','15','2'),('Three Billboards Outside Ebbing, Missouri ','134','English','2017-11-10','15','18'),('Titanic','143','English','1997-12-19','12','6'),

postgres-# ('Top Gun','121','English','1986-05-16','12','28'),('Toy Story','95','English','1995-11-22','U','14'),('V for Vendetta','140','English','2006-03-17','12','19'),('Watchmen','138','English','2009-03-06','12','29'),('Way of the Dragon ','99','Chinese','1972-06-01','12','16');

INSERT 0 53

postgres=# select \* from movies;

movie\_id | movie\_name | movie\_length | movie\_lang | release\_date | age\_certificate | director\_id

----------+--------------------------------------------+--------------+------------+--------------+-----------------+-------------

1 | A Clockwork Orange | 112 | English | 1972-02-02 | 18 | 13

2 | Apocalypse Now | 168 | English | 1979-08-15 | 15 | 9

3 | Battle Royale | 111 | Japanese | 2001-01-04 | 18 | 10

4 | Blade Runner | 121 | English | 1982-06-25 | 15 | 27

5 | Chungking Express | 113 | Chinese | 1996-08-03 | 15 | 35

6 | City of God | 145 | Portuguese | 2003-01-17 | 18 | 20

7 | City of Men | 140 | Portuguese | 2008-02-29 | 15 | 22

8 | Cold Fish | 108 | Japanese | 2010-09-12 | 18 | 30

9 | Crouching Tiger Hidden Dragon | 139 | Chinese | 2000-07-06 | 12 | 15

10 | Eyes Wide Shut | 130 | English | 1999-07-16 | 18 | 13

11 | Forrest Gump | 119 | English | 1994-07-06 | PG | 36

12 | Gladiator | 165 | English | 2000-05-05 | 15 | 27

13 | Gone with the Wind | 123 | English | 1939-12-15 | PG | 8

14 | Goodfellas | 148 | English | 1990-09-19 | 15 | 26

15 | Grand Budapest Hotel | 117 | English | 2014-07-03 | PG | 3

16 | House of Flying Daggers | 134 | Chinese | 2004-03-12 | 12 | 37

17 | In the Mood for Love | 124 | Chinese | 2001-02-02 | 12 | 35

18 | Jaws | 134 | English | 1975-06-20 | 12 | 31

19 | Leon | 123 | English | 1994-11-18 | 15 | 5

20 | Let the Right One In | 128 | Swedish | 2008-10-24 | 15 | 1

21 | Life of Brian | 126 | English | 1979-08-17 | 15 | 12

22 | Life of Pi | 129 | English | 2012-11-21 | PG | 15

23 | Mary Poppins | 87 | English | 1964-08-29 | U | 32

24 | Never Let Me Go | 117 | English | 2010-09-15 | 15 | 25

25 | Oldboy | 130 | Korean | 2005-03-25 | 18 | 23

26 | Pans Labyrinth | 98 | Spanish | 2006-12-29 | PG | 7

27 | Ponyo | 107 | Japanese | 2009-08-14 | U | 21

28 | Pulp Fiction | 136 | English | 1994-10-14 | 15 | 33

29 | Raging Bull | 132 | English | 1980-11-14 | 18 | 26

30 | Rushmore | 104 | English | 1998-11-12 | 12 | 3

31 | Spider-Man | 118 | English | 2002-05-03 | PG | 24

32 | Spider-Man 2 | 115 | English | 2004-06-30 | PG | 24

33 | Spider-Man 3 | 112 | English | 2007-05-04 | PG | 24

34 | Spirited Away | 120 | Japanese | 2001-06-19 | U | 21

35 | Star Wars: A New Hope | 123 | English | 1977-05-25 | PG | 17

36 | Star Wars: Empire Strikes Back | 150 | English | 1980-05-21 | PG | 17

37 | Star Wars: Return of the Jedi | 139 | English | 1983-05-25 | PG | 17

38 | Submarine | 115 | English | 2011-06-03 | 15 | 4

39 | Taxi Driver | 117 | English | 1976-02-07 | 15 | 26

40 | The Darjeeling Limited | 119 | English | 2007-09-29 | PG | 3

41 | The Fifth Element | 149 | English | 1997-05-09 | 12 | 5

42 | The Lives of Others | 165 | German | 2007-02-09 | 15 | 11

43 | The Shining | 126 | English | 1980-05-23 | 18 | 13

44 | The Sound of Music | 91 | English | 1965-03-02 | U | 34

45 | The Wizard of Oz | 120 | English | 1939-08-25 | U | 8

46 | There Will Be Blood | 168 | English | 2007-12-26 | 15 | 2

47 | Three Billboards Outside Ebbing, Missouri | 134 | English | 2017-11-10 | 15 | 18

48 | Titanic | 143 | English | 1997-12-19 | 12 | 6

49 | Top Gun | 121 | English | 1986-05-16 | 12 | 28

50 | Toy Story | 95 | English | 1995-11-22 | U | 14

51 | V for Vendetta | 140 | English | 2006-03-17 | 12 | 19

52 | Watchmen | 138 | English | 2009-03-06 | 12 | 29

53 | Way of the Dragon | 99 | Chinese | 1972-06-01 | 12 | 16

(53 rows)

postgres=# CREATE TABLE movie\_revenues( revenue\_id SERIAL PRIMARY KEY, movie\_id INT REFERENCES movies (movie\_id), international\_takings DECIMAL(6,2));

CREATE TABLE

postgres=# \d+ movie\_revenues

Table "public.movie\_revenues"

Column | Type | Collation | Nullable | Default | Storage | Compression | Stats target | Description

-----------------------+--------------+-----------+----------+----------------------------------------------------+---------+-------------+--------------+-------------

revenue\_id | integer | | not null | nextval('movie\_revenues\_revenue\_id\_seq'::regclass) | plain | | |

movie\_id | integer | | | | plain | | |

international\_takings | numeric(6,2) | | | | main | | |

Indexes:

"movie\_revenues\_pkey" PRIMARY KEY, btree (revenue\_id)

Foreign-key constraints:

"movie\_revenues\_movie\_id\_fkey" FOREIGN KEY (movie\_id) REFERENCES movies(movie\_id)

Access method: heap

postgres=# DROP movie\_revenues;

ERROR: syntax error at or near "movie\_revenues"

LINE 1: DROP movie\_revenues;

^

postgres=# DROP TABLE movie\_revenues;

DROP TABLE

postgres=# CREATE TABLE movie\_revenues( revenue\_id SERIAL PRIMARY KEY, movie\_id INT REFERENCES movies (movie\_id), domestic\_takings DECIMAL(6,2), international\_takings DECIMAL(6,2));

CREATE TABLE

postgres=# \d+ movie\_revenues

Table "public.movie\_revenues"

Column | Type | Collation | Nullable | Default | Storage | Compression | Stats target | Description

-----------------------+--------------+-----------+----------+----------------------------------------------------+---------+-------------+--------------+-------------

revenue\_id | integer | | not null | nextval('movie\_revenues\_revenue\_id\_seq'::regclass) | plain | | |

movie\_id | integer | | | | plain | | |

domestic\_takings | numeric(6,2) | | | | main | | |

international\_takings | numeric(6,2) | | | | main | | |

Indexes:

"movie\_revenues\_pkey" PRIMARY KEY, btree (revenue\_id)

Foreign-key constraints:

"movie\_revenues\_movie\_id\_fkey" FOREIGN KEY (movie\_id) REFERENCES movies(movie\_id)

Access method: heap

postgres=# INSERT INTO movie\_revenues (revenue\_id, movie\_id, domestic\_takings, international\_takings) VALUES ('1','45','22.2','1.3'),('2','13','199.4','201.2'),('3','23','102.1',null),('4','44','158.7',null),('6','1','27.1',null),('7','53',null,null),('17','18','260.3','210.9'),('9','39','28.1',null),('5','35','461.2','314.2'),('13','2','83.4',null),('15','21','19.6',null),('8','36','290.3','247.8'),('11','43','44.1',null),('12','29','23.1',null),('14','4','33.3',null),('10','37','309.1','166.2'),('16','49','180.1','177.3'),('18','14','46.6',null),('21','11','330.3','348.1'),('20','28','107.9','106.2'),('19','19',null,null),('23','50','192.1','182.4'),('22','5',null,null),('27','41','64.1','200.3'),('24','48','659.2','1528.1'),('25','30','16.9',null),('26','10','55.7','106.3'),('30','12','188.2','273.4'),('28','9','128.1','85.1'),('29','3',null,null),('32','17','2.9','10.2'),('31','34','11.1','265.4'),('33','31','404.1','418.1'),('37','6','8.2','23.5'),('35','16','11.1','82.5'),('36','32','374.1','410.4'),('34','25','1.1','13.8'),('38','51','71.2','62.5'),('40','26','37.8','46.4'),('48','42','11.3','66.1'),('39','33','337','554'),('51','40','11.9','23.2'),('41','46','39.9','35.8'),('42','7','0.3','2.2'),('49','20','2.1','9.1'),('45','52','107.5','77.5'),('44','27','15.1','186.7'),('47','8',null,null),('46','24','2.4','7.1'),

postgres-# ('43','38','0.5','0.4'),('50','22','124.9','484.1'),('52','15','59.3','115.5'),('53','47','54.5','104.7');

INSERT 0 53

postgres=# select \* from movie\_revenues;

revenue\_id | movie\_id | domestic\_takings | international\_takings

------------+----------+------------------+-----------------------

1 | 45 | 22.20 | 1.30

2 | 13 | 199.40 | 201.20

3 | 23 | 102.10 |

4 | 44 | 158.70 |

6 | 1 | 27.10 |

7 | 53 | |

17 | 18 | 260.30 | 210.90

9 | 39 | 28.10 |

5 | 35 | 461.20 | 314.20

13 | 2 | 83.40 |

15 | 21 | 19.60 |

8 | 36 | 290.30 | 247.80

11 | 43 | 44.10 |

12 | 29 | 23.10 |

14 | 4 | 33.30 |

10 | 37 | 309.10 | 166.20

16 | 49 | 180.10 | 177.30

18 | 14 | 46.60 |

21 | 11 | 330.30 | 348.10

20 | 28 | 107.90 | 106.20

19 | 19 | |

23 | 50 | 192.10 | 182.40

22 | 5 | |

27 | 41 | 64.10 | 200.30

24 | 48 | 659.20 | 1528.10

25 | 30 | 16.90 |

26 | 10 | 55.70 | 106.30

30 | 12 | 188.20 | 273.40

28 | 9 | 128.10 | 85.10

29 | 3 | |

32 | 17 | 2.90 | 10.20

31 | 34 | 11.10 | 265.40

33 | 31 | 404.10 | 418.10

37 | 6 | 8.20 | 23.50

35 | 16 | 11.10 | 82.50

36 | 32 | 374.10 | 410.40

34 | 25 | 1.10 | 13.80

38 | 51 | 71.20 | 62.50

40 | 26 | 37.80 | 46.40

48 | 42 | 11.30 | 66.10

39 | 33 | 337.00 | 554.00

51 | 40 | 11.90 | 23.20

41 | 46 | 39.90 | 35.80

42 | 7 | 0.30 | 2.20

49 | 20 | 2.10 | 9.10

45 | 52 | 107.50 | 77.50

44 | 27 | 15.10 | 186.70

47 | 8 | |

46 | 24 | 2.40 | 7.10

43 | 38 | 0.50 | 0.40

50 | 22 | 124.90 | 484.10

52 | 15 | 59.30 | 115.50

53 | 47 | 54.50 | 104.70

(53 rows)

postgres=#

postgres=# CREATE TABLE movies\_actors( movie\_id INT REFERENCES movies (movie\_id), actor\_id INT REFERENCES actors (actor\_id), PRIMARY KEY (movie\_id, actor\_id));

CREATE TABLE

postgres=# \d+ movies\_actors

Table "public.movies\_actors"

Column | Type | Collation | Nullable | Default | Storage | Compression | Stats target | Description

----------+---------+-----------+----------+---------+---------+-------------+--------------+-------------

movie\_id | integer | | not null | | plain | | |

actor\_id | integer | | not null | | plain | | |

Indexes:

"movies\_actors\_pkey" PRIMARY KEY, btree (movie\_id, actor\_id)

Foreign-key constraints:

"movies\_actors\_actor\_id\_fkey" FOREIGN KEY (actor\_id) REFERENCES actors(actor\_id)

"movies\_actors\_movie\_id\_fkey" FOREIGN KEY (movie\_id) REFERENCES movies(movie\_id)

Access method: heap

postgres=# ('120','22'),('121','2'),('122','7'),('123','16'),('124','22'),('125','15'),('126','27'),('127','38'),('128','28'),('129','28'),('130','41'),('131','33'),('132','51'),('133','15'),('134','11'),('135','28'),('135','41'),('136','30'),('137','15'),('137','40'),('138','52'),('139','48'),('140','5'),('141','11'),('142','9'),('143','25'),('144','25'),('145','4'),('146','48'),('147','9'),('147','16');

ERROR: syntax error at or near "'120'"

LINE 1: ('120','22'),('121','2'),('122','7'),('123','16'),('124','22...

^

postgres=# DROP TABLE movies\_actors;

DROP TABLE

postgres=# CREATE TABLE movies\_actors( movie\_id INT REFERENCES movies (movie\_id), actor\_id INT REFERENCES actors (actor\_id), PRIMARY KEY (movie\_id, actor\_id));

CREATE TABLE

postgres=# \d+ movies\_actors

Table "public.movies\_actors"

Column | Type | Collation | Nullable | Default | Storage | Compression | Stats target | Description

----------+---------+-----------+----------+---------+---------+-------------+--------------+-------------

movie\_id | integer | | not null | | plain | | |

actor\_id | integer | | not null | | plain | | |

Indexes:

"movies\_actors\_pkey" PRIMARY KEY, btree (movie\_id, actor\_id)

Foreign-key constraints:

"movies\_actors\_actor\_id\_fkey" FOREIGN KEY (actor\_id) REFERENCES actors(actor\_id)

"movies\_actors\_movie\_id\_fkey" FOREIGN KEY (movie\_id) REFERENCES movies(movie\_id)

Access method: heap

postgres=# INSERT INTO movies\_actors (actor\_id, movie\_id) VALUES ('1','52'),('2','50'),('3','23'),('4','26'),('5','14'),('6','6'),('7','2'),('8','15'),('8','40'),('9','20'),('10','38'),('11','9'),('12','21'),('13','9'),('14','17'),('15','25'),('16','9'),('17','21'),('18','38'),('19','47'),('20','30'),('21','43'),('22','12'),('23','10'),('23','49'),('24','7'),('25','15'),('25','31'),('25','32'),('25','33'),('26','46'),('27','46'),('28','14'),('28','29'),('28','39'),('29','8'),('30','48'),('31','47'),('32','27'),('33','31'),('33','32'),('33','33'),('34','43'),('35','15'),('36','6'),('37','35'),('37','36'),('37','37'),('38','2'),('38','4'),

postgres-# ('38','35'),('38','36'),('38','37'),('39','39'),('40','31'),('40','32'),('40','33'),('41','46'),('42','3'),('43','8'),('44','13'),('45','30'),('46','9'),('47','24'),('48','45'),('49','42'),('50','15'),('51','52'),('52','35'),('53','52'),('54','35'),('54','36'),('54','37'),('55','11'),('55','50'),('56','4'),('57','47'),('58','4'),('59','24'),('59','38'),('60','20'),('61','27'),('61','34'),('62','41'),('63','2'),('64','21'),('65','34'),('66','28'),('67','21'),('68','41'),('69','10'),('70','5'),('70','16'),('71','25'),('72','22'),('73','10'),('74','49'),('75','3'),('76','24'),('77','42'),

postgres-# ('78','8'),('79','16'),('80','15'),('81','20'),('82','53'),('83','13'),('84','5'),('84','17'),('85','14'),('86','43'),('87','9'),('88','3'),('89','31'),('89','32'),('89','33'),('90','47'),('91','1'),('92','32'),('93','29'),('94','42'),('95','24'),('96','15'),('96','30'),('97','34'),('98','43'),('99','12'),('100','20'),('101','53'),('102','15'),('103','19'),('103','41'),('104','38'),('105','21'),('106','17'),('107','14'),('107','29'),('108','12'),('109','19'),('109','51'),('110','20'),('111','12'),('112','19'),('113','15'),('114','38'),('115','47'),('116','6'),('117','15'),('118','18'),('119','15'),('119','40'),

postgres-# ('120','22'),('121','2'),('122','7'),('123','16'),('124','22'),('125','15'),('126','27'),('127','38'),('128','28'),('129','28'),('130','41'),('131','33'),('132','51'),('133','15'),('134','11'),('135','28'),('135','41'),('136','30'),('137','15'),('137','40'),('138','52'),('139','48'),('140','5'),('141','11'),('142','9'),('143','25'),('144','25'),('145','4'),('146','48'),('147','9'),('147','16');

INSERT 0 181

postgres=# select \* from movies\_actors;

movie\_id | actor\_id

----------+----------

52 | 1

50 | 2

23 | 3

26 | 4

14 | 5

6 | 6

2 | 7

15 | 8

40 | 8

20 | 9

38 | 10

9 | 11

21 | 12

9 | 13

17 | 14

25 | 15

9 | 16

21 | 17

38 | 18

47 | 19

30 | 20

43 | 21

12 | 22

10 | 23

49 | 23

7 | 24

15 | 25

-- More -- Lines: 15225032342651466728158409201038119122113914171525169172118381947203021432212231023492472515253125322 31 | 25

32 | 25

33 | 25

46 | 26

46 | 27

14 | 28

29 | 28

39 | 28

8 | 29

48 | 30

47 | 31

27 | 32

31 | 33

32 | 33

33 | 33

43 | 34

15 | 35

6 | 36

35 | 37

36 | 37

37 | 37

2 | 38

4 | 38

35 | 38

36 | 38

37 | 38

39 | 39

31 | 40

32 | 40

33 | 40

46 | 41

3 | 42

8 | 43

13 | 44

30 | 45

9 | 46

24 | 47

45 | 48

42 | 49

15 | 50

52 | 51

35 | 52

52 | 53

35 | 54

36 | 54

37 | 54

11 | 55

50 | 55

4 | 56

47 | 57

4 | 58

24 | 59

38 | 59

20 | 60

27 | 61

34 | 61

41 | 62

2 | 63

21 | 64

34 | 65

28 | 66

21 | 67

41 | 68

10 | 69

5 | 70

16 | 70

25 | 71

22 | 72

10 | 73

49 | 74

3 | 75

24 | 76

42 | 77

8 | 78

16 | 79

15 | 80

20 | 81

53 | 82

13 | 83

5 | 84

17 | 84

14 | 85

43 | 86

9 | 87

3 | 88

31 | 89

32 | 89

33 | 89

47 | 90

1 | 91

32 | 92

29 | 93

42 | 94

24 | 95

15 | 96

30 | 96

34 | 97

43 | 98

12 | 99

20 | 100

53 | 101

15 | 102

19 | 103

41 | 103

38 | 104

21 | 105

17 | 106

14 | 107

29 | 107

12 | 108

19 | 109

51 | 109

20 | 110

12 | 111

19 | 112

15 | 113

38 | 114

47 | 115

6 | 116

15 | 117

18 | 118

15 | 119

40 | 119

22 | 120

2 | 121

7 | 122

16 | 123

22 | 124

15 | 125

27 | 126

38 | 127

28 | 128

28 | 129

41 | 130

33 | 131

51 | 132

15 | 133

11 | 134

28 | 135

41 | 135

30 | 136

15 | 137

40 | 137

52 | 138

48 | 139

5 | 140

11 | 141

9 | 142

25 | 143

25 | 144

4 | 145

48 | 146

9 | 147

16 | 147

(181 rows)