DROP DATABASE IF EXISTS ud3\_ac5;

CREATE DATABASE IF NOT EXISTS ud3\_ac5;

USE ud3\_ac5;

DROP TABLE IF EXISTS dept\_emp,

dept\_manager,

titles,

salaries,

employees,

departments;

CREATE TABLE employees (

emp\_no INT NOT NULL,

birth\_date DATE NOT NULL,

first\_name VARCHAR(14) NOT NULL,

last\_name VARCHAR(16) NOT NULL,

gender ENUM ('M','F') NOT NULL,

hire\_date DATE NOT NULL,

PRIMARY KEY (emp\_no)

);

CREATE TABLE departments (

dept\_no CHAR(4) NOT NULL,

dept\_name VARCHAR(40) NOT NULL,

PRIMARY KEY (dept\_no),

UNIQUE KEY (dept\_name)

);

CREATE TABLE dept\_manager (

emp\_no INT NOT NULL,

dept\_no CHAR(4) NOT NULL,

from\_date DATE NOT NULL,

to\_date DATE NOT NULL,

FOREIGN KEY (emp\_no) REFERENCES employees (emp\_no) ON DELETE CASCADE,

FOREIGN KEY (dept\_no) REFERENCES departments (dept\_no) ON DELETE CASCADE,

PRIMARY KEY (emp\_no,dept\_no)

);

CREATE TABLE dept\_emp (

emp\_no INT NOT NULL,

dept\_no CHAR(4) NOT NULL,

from\_date DATE NOT NULL,

to\_date DATE NOT NULL,

FOREIGN KEY (emp\_no) REFERENCES employees (emp\_no) ON DELETE CASCADE,

FOREIGN KEY (dept\_no) REFERENCES departments (dept\_no) ON DELETE CASCADE,

PRIMARY KEY (emp\_no,dept\_no)

);

CREATE TABLE titles (

emp\_no INT NOT NULL,

title VARCHAR(50) NOT NULL,

from\_date DATE NOT NULL,

to\_date DATE,

FOREIGN KEY (emp\_no) REFERENCES employees (emp\_no) ON DELETE CASCADE,

PRIMARY KEY (emp\_no,title, from\_date)

)

;

CREATE TABLE salaries (

emp\_no INT NOT NULL,

salary INT NOT NULL,

from\_date DATE NOT NULL,

to\_date DATE NOT NULL,

FOREIGN KEY (emp\_no) REFERENCES employees (emp\_no) ON DELETE CASCADE,

PRIMARY KEY (emp\_no, from\_date)

)

;

INSERT INTO `employees` VALUES (10001,'1953-09-02','Georgi','Facello','M','1986-06-26'),

(10002,'1964-06-02','Bezalel','Simmel','F','1985-11-21'),

(10003,'1959-12-03','Parto','Bamford','M','1986-08-28'),

(10004,'1954-05-01','Chirstian','Koblick','M','1986-12-01'),

(10005,'1955-01-21','Kyoichi','Maliniak','M','1989-09-12'),

(10006,'1953-04-20','Anneke','Preusig','F','1989-06-02'),

(10007,'1957-05-23','Tzvetan','Zielinski','F','1989-02-10'),

(10008,'1958-02-19','Saniya','Kalloufi','M','1994-09-15'),

(10009,'1952-04-19','Sumant','Peac','F','1985-02-18'),

(10010,'1963-06-01','Duangkaew','Piveteau','F','1989-08-24'),

(10011,'1953-11-07','Mary','Sluis','F','1990-01-22'),

(10012,'1960-10-04','Patricio','Bridgland','M','1992-12-18'),

(10013,'1963-06-07','Eberhardt','Terkki','M','1985-10-20'),

(10014,'1956-02-12','Berni','Genin','M','1987-03-11'),

(10015,'1959-08-19','Guoxiang','Nooteboom','M','1987-07-02'),

(10016,'1961-05-02','Kazuhito','Cappelletti','M','1995-01-27'),

(10017,'1958-07-06','Cristinel','Bouloucos','F','1993-08-03'),

(10018,'1954-06-19','Kazuhide','Peha','F','1987-04-03'),

(10019,'1953-01-23','Lillian','Haddadi','M','1999-04-30'),

(10020,'1952-12-24','Mayuko','Warwick','M','1991-01-26'),

(10021,'1960-02-20','Ramzi','Erde','M','1988-02-10'),

(10022,'1952-07-08','Shahaf','Famili','M','1995-08-22'),

(10023,'1953-09-29','Bojan','Montemayor','F','1989-12-17'),

(10024,'1958-09-05','Suzette','Pettey','F','1997-05-19'),

(10025,'1958-10-31','Prasadram','Heyers','M','1987-08-17'),

(10026,'1953-04-03','Yongqiao','Berztiss','M','1995-03-20'),

(10027,'1962-07-10','Divier','Reistad','F','1989-07-07'),

(10028,'1963-11-26','Domenick','Tempesti','M','1991-10-22'),

(10029,'1956-12-13','Otmar','Herbst','M','1985-11-20'),

(10030,'1958-07-14','Elvis','Demeyer','M','1994-02-17'),

(10031,'1959-01-27','Karsten','Joslin','M','1991-09-01'),

(10032,'1960-08-09','Jeong','Reistad','F','1990-06-20'),

(10033,'1956-11-14','Arif','Merlo','M','1987-03-18'),

(10034,'1962-12-29','Bader','Swan','M','1988-09-21'),

(10035,'1953-02-08','Alain','Chappelet','M','1988-09-05'),

(10036,'1959-08-10','Adamantios','Portugali','M','1992-01-03'),

(10037,'1963-07-22','Pradeep','Makrucki','M','1990-12-05'),

(10038,'1960-07-20','Huan','Lortz','M','1989-09-20'),

(10039,'1959-10-01','Alejandro','Brender','M','1988-01-19'),

(10040,'1959-09-13','Weiyi','Meriste','F','1993-02-14'),

(10041,'1959-08-27','Uri','Lenart','F','1989-11-12'),

(10042,'1956-02-26','Magy','Stamatiou','F','1993-03-21'),

(10043,'1960-09-19','Yishay','Tzvieli','M','1990-10-20'),

(10044,'1961-09-21','Mingsen','Casley','F','1994-05-21'),

(10045,'1957-08-14','Moss','Shanbhogue','M','1989-09-02'),

(10046,'1960-07-23','Lucien','Rosenbaum','M','1992-06-20'),

(10047,'1952-06-29','Zvonko','Nyanchama','M','1989-03-31'),

(10048,'1963-07-11','Florian','Syrotiuk','M','1985-02-24'),

(10049,'1961-04-24','Basil','Tramer','F','1992-05-04'),

(10050,'1958-05-21','Yinghua','Dredge','M','1990-12-25'),

(10051,'1953-07-28','Hidefumi','Caine','M','1992-10-15'),

(10052,'1961-02-26','Heping','Nitsch','M','1988-05-21'),

(10053,'1954-09-13','Sanjiv','Zschoche','F','1986-02-04'),

(10054,'1957-04-04','Mayumi','Schueller','M','1995-03-13'),

(10055,'1956-06-06','Georgy','Dredge','M','1992-04-27'),

(10056,'1961-09-01','Brendon','Bernini','F','1990-02-01'),

(10057,'1954-05-30','Ebbe','Callaway','F','1992-01-15'),

(10058,'1954-10-01','Berhard','McFarlin','M','1987-04-13'),

(10059,'1953-09-19','Alejandro','McAlpine','F','1991-06-26'),

(10060,'1961-10-15','Breannda','Billingsley','M','1987-11-02'),

(10061,'1962-10-19','Tse','Herber','M','1985-09-17'),

(10062,'1961-11-02','Anoosh','Peyn','M','1991-08-30'),

(10063,'1952-08-06','Gino','Leonhardt','F','1989-04-08'),

(10064,'1959-04-07','Udi','Jansch','M','1985-11-20'),

(10065,'1963-04-14','Satosi','Awdeh','M','1988-05-18'),

(10066,'1952-11-13','Kwee','Schusler','M','1986-02-26'),

(10067,'1953-01-07','Claudi','Stavenow','M','1987-03-04'),

(10068,'1962-11-26','Charlene','Brattka','M','1987-08-07'),

(10069,'1960-09-06','Margareta','Bierman','F','1989-11-05'),

(10070,'1955-08-20','Reuven','Garigliano','M','1985-10-14'),

(10071,'1958-01-21','Hisao','Lipner','M','1987-10-01'),

(10072,'1952-05-15','Hironoby','Sidou','F','1988-07-21'),

(10073,'1954-02-23','Shir','McClurg','M','1991-12-01'),

(10074,'1955-08-28','Mokhtar','Bernatsky','F','1990-08-13'),

(10075,'1960-03-09','Gao','Dolinsky','F','1987-03-19'),

(10076,'1952-06-13','Erez','Ritzmann','F','1985-07-09'),

(10077,'1964-04-18','Mona','Azuma','M','1990-03-02'),

(10078,'1959-12-25','Danel','Mondadori','F','1987-05-26'),

(10079,'1961-10-05','Kshitij','Gils','F','1986-03-27'),

(10080,'1957-12-03','Premal','Baek','M','1985-11-19'),

(10081,'1960-12-17','Zhongwei','Rosen','M','1986-10-30'),

(10082,'1963-09-09','Parviz','Lortz','M','1990-01-03'),

(10083,'1959-07-23','Vishv','Zockler','M','1987-03-31'),

(10084,'1960-05-25','Tuval','Kalloufi','M','1995-12-15'),

(10085,'1962-11-07','Kenroku','Malabarba','M','1994-04-09'),

(10086,'1962-11-19','Somnath','Foote','M','1990-02-16'),

(10087,'1959-07-23','Xinglin','Eugenio','F','1986-09-08'),

(10088,'1954-02-25','Jungsoon','Syrzycki','F','1988-09-02'),

(10089,'1963-03-21','Sudharsan','Flasterstein','F','1986-08-12'),

(10090,'1961-05-30','Kendra','Hofting','M','1986-03-14'),

(10091,'1955-10-04','Amabile','Gomatam','M','1992-11-18'),

(10092,'1964-10-18','Valdiodio','Niizuma','F','1989-09-22'),

(10093,'1964-06-11','Sailaja','Desikan','M','1996-11-05'),

(10094,'1957-05-25','Arumugam','Ossenbruggen','F','1987-04-18'),

(10095,'1965-01-03','Hilari','Morton','M','1986-07-15'),

(10096,'1954-09-16','Jayson','Mandell','M','1990-01-14'),

(10097,'1952-02-27','Remzi','Waschkowski','M','1990-09-15'),

(10098,'1961-09-23','Sreekrishna','Servieres','F','1985-05-13'),

(10099,'1956-05-25','Valter','Sullins','F','1988-10-18'),

(10100,'1953-04-21','Hironobu','Haraldson','F','1987-09-21');

INSERT INTO `dept\_emp` VALUES (10001,'d005','1986-06-26','9999-01-01'),

(10002,'d007','1996-08-03','9999-01-01'),

(10003,'d004','1995-12-03','9999-01-01'),

(10004,'d004','1986-12-01','9999-01-01'),

(10005,'d003','1989-09-12','9999-01-01'),

(10006,'d005','1990-08-05','9999-01-01'),

(10007,'d008','1989-02-10','9999-01-01'),

(10008,'d005','1998-03-11','2000-07-31'),

(10009,'d006','1985-02-18','9999-01-01'),

(10010,'d004','1996-11-24','2000-06-26'),

(10010,'d006','2000-06-26','9999-01-01'),

(10011,'d009','1990-01-22','1996-11-09'),

(10012,'d005','1992-12-18','9999-01-01'),

(10013,'d003','1985-10-20','9999-01-01'),

(10014,'d005','1993-12-29','9999-01-01'),

(10015,'d008','1992-09-19','1993-08-22'),

(10016,'d007','1998-02-11','9999-01-01'),

(10017,'d001','1993-08-03','9999-01-01'),

(10018,'d004','1992-07-29','9999-01-01'),

(10018,'d005','1987-04-03','1992-07-29'),

(10019,'d008','1999-04-30','9999-01-01'),

(10020,'d004','1997-12-30','9999-01-01'),

(10021,'d005','1988-02-10','2002-07-15'),

(10022,'d005','1999-09-03','9999-01-01'),

(10023,'d005','1999-09-27','9999-01-01'),

(10024,'d004','1998-06-14','9999-01-01'),

(10025,'d005','1987-08-17','1997-10-15'),

(10026,'d004','1995-03-20','9999-01-01'),

(10027,'d005','1995-04-02','9999-01-01'),

(10028,'d005','1991-10-22','1998-04-06'),

(10029,'d004','1991-09-18','1999-07-08'),

(10029,'d006','1999-07-08','9999-01-01'),

(10030,'d004','1994-02-17','9999-01-01'),

(10031,'d005','1991-09-01','9999-01-01'),

(10032,'d004','1990-06-20','9999-01-01'),

(10033,'d006','1987-03-18','1993-03-24'),

(10034,'d007','1995-04-12','1999-10-31'),

(10035,'d004','1988-09-05','9999-01-01'),

(10036,'d003','1992-04-28','9999-01-01'),

(10037,'d005','1990-12-05','9999-01-01'),

(10038,'d009','1989-09-20','9999-01-01'),

(10039,'d003','1988-01-19','9999-01-01'),

(10040,'d005','1993-02-14','2002-01-22'),

(10040,'d008','2002-01-22','9999-01-01'),

(10041,'d007','1989-11-12','9999-01-01'),

(10042,'d002','1993-03-21','2000-08-10'),

(10043,'d005','1990-10-20','9999-01-01'),

(10044,'d004','1994-05-21','9999-01-01'),

(10045,'d004','1996-11-16','9999-01-01'),

(10046,'d008','1992-06-20','9999-01-01'),

(10047,'d004','1989-03-31','9999-01-01'),

(10048,'d005','1985-02-24','1987-01-27'),

(10049,'d009','1992-05-04','9999-01-01'),

(10050,'d002','1990-12-25','1992-11-05'),

(10050,'d007','1992-11-05','9999-01-01'),

(10051,'d004','1992-10-15','9999-01-01'),

(10052,'d008','1997-01-31','9999-01-01'),

(10053,'d007','1994-11-13','9999-01-01'),

(10054,'d003','1995-07-29','9999-01-01'),

(10055,'d001','1992-04-27','1995-07-22'),

(10056,'d005','1990-02-01','9999-01-01'),

(10057,'d005','1992-01-15','9999-01-01'),

(10058,'d001','1988-04-25','9999-01-01'),

(10059,'d002','1991-06-26','9999-01-01'),

(10060,'d007','1989-05-28','1992-11-11'),

(10060,'d009','1992-11-11','9999-01-01'),

(10061,'d007','1989-12-02','9999-01-01'),

(10062,'d005','1991-08-30','9999-01-01'),

(10063,'d004','1989-04-08','9999-01-01'),

(10064,'d008','1985-11-20','1992-03-02'),

(10065,'d005','1998-05-24','9999-01-01'),

(10066,'d005','1986-02-26','9999-01-01'),

(10067,'d006','1987-03-04','9999-01-01'),

(10068,'d007','1987-08-07','9999-01-01'),

(10069,'d004','1992-06-14','9999-01-01'),

(10070,'d005','1985-10-14','1995-10-18'),

(10070,'d008','1995-10-18','9999-01-01'),

(10071,'d003','1995-08-05','9999-01-01'),

(10072,'d005','1989-05-21','9999-01-01'),

(10073,'d006','1998-02-02','1998-02-22'),

(10074,'d005','1990-08-13','9999-01-01'),

(10075,'d005','1988-05-17','2001-01-15'),

(10076,'d005','1996-07-15','9999-01-01'),

(10077,'d003','1994-12-23','9999-01-01'),

(10078,'d005','1994-09-29','9999-01-01'),

(10079,'d005','1995-12-13','9999-01-01'),

(10080,'d002','1994-09-28','1997-07-09'),

(10080,'d003','1997-07-09','9999-01-01'),

(10081,'d004','1986-10-30','9999-01-01'),

(10082,'d008','1990-01-03','1990-01-15'),

(10083,'d004','1987-03-31','9999-01-01'),

(10084,'d004','1995-12-15','9999-01-01'),

(10085,'d004','1994-04-09','9999-01-01'),

(10086,'d003','1992-02-19','9999-01-01'),

(10087,'d007','1997-05-08','2001-01-09'),

(10088,'d007','1988-09-02','1992-03-21'),

(10088,'d009','1992-03-21','9999-01-01'),

(10089,'d007','1989-01-10','9999-01-01'),

(10090,'d005','1986-03-14','1999-05-07'),

(10091,'d005','1992-11-18','9999-01-01'),

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(10093,'d007','1997-06-08','9999-01-01'),

(10094,'d008','1987-04-18','1997-11-08'),

(10095,'d007','1994-03-10','9999-01-01'),

(10096,'d004','1999-01-23','9999-01-01'),

(10097,'d008','1990-09-15','9999-01-01'),

(10098,'d004','1985-05-13','1989-06-29'),

(10098,'d009','1989-06-29','1992-12-11'),

(10099,'d007','1988-10-18','9999-01-01'),

(10100,'d003','1987-09-21','9999-01-01');

INSERT INTO `departments` VALUES

('d001','Marketing'),

('d002','Finance'),

('d003','Human Resources'),

('d004','Production'),

('d005','Development'),

('d006','Quality Management'),

('d007','Sales'),

('d008','Research'),

('d009','Customer Service');

INSERT INTO `titles` VALUES (10001,'Senior Engineer','1986-06-26','9999-01-01'),

(10002,'Staff','1996-08-03','9999-01-01'),

(10003,'Senior Engineer','1995-12-03','9999-01-01'),

(10004,'Engineer','1986-12-01','1995-12-01'),

(10004,'Senior Engineer','1995-12-01','9999-01-01'),

(10005,'Senior Staff','1996-09-12','9999-01-01'),

(10005,'Staff','1989-09-12','1996-09-12'),

(10006,'Senior Engineer','1990-08-05','9999-01-01'),

(10007,'Senior Staff','1996-02-11','9999-01-01'),

(10007,'Staff','1989-02-10','1996-02-11'),

(10008,'Assistant Engineer','1998-03-11','2000-07-31'),

(10009,'Assistant Engineer','1985-02-18','1990-02-18'),

(10009,'Engineer','1990-02-18','1995-02-18'),

(10009,'Senior Engineer','1995-02-18','9999-01-01'),

(10010,'Engineer','1996-11-24','9999-01-01'),

(10011,'Staff','1990-01-22','1996-11-09'),

(10012,'Engineer','1992-12-18','2000-12-18'),

(10012,'Senior Engineer','2000-12-18','9999-01-01'),

(10013,'Senior Staff','1985-10-20','9999-01-01'),

(10014,'Engineer','1993-12-29','9999-01-01'),

(10015,'Senior Staff','1992-09-19','1993-08-22'),

(10016,'Staff','1998-02-11','9999-01-01'),

(10017,'Senior Staff','2000-08-03','9999-01-01'),

(10017,'Staff','1993-08-03','2000-08-03'),

(10018,'Engineer','1987-04-03','1995-04-03'),

(10018,'Senior Engineer','1995-04-03','9999-01-01'),

(10019,'Staff','1999-04-30','9999-01-01'),

(10020,'Engineer','1997-12-30','9999-01-01'),

(10021,'Technique Leader','1988-02-10','2002-07-15'),

(10022,'Engineer','1999-09-03','9999-01-01'),

(10023,'Engineer','1999-09-27','9999-01-01'),

(10024,'Assistant Engineer','1998-06-14','9999-01-01'),

(10025,'Technique Leader','1987-08-17','1997-10-15'),

(10026,'Engineer','1995-03-20','2001-03-19'),

(10026,'Senior Engineer','2001-03-19','9999-01-01'),

(10027,'Engineer','1995-04-02','2001-04-01'),

(10027,'Senior Engineer','2001-04-01','9999-01-01'),

(10028,'Engineer','1991-10-22','1998-04-06'),

(10029,'Engineer','1991-09-18','2000-09-17'),

(10029,'Senior Engineer','2000-09-17','9999-01-01'),

(10030,'Engineer','1994-02-17','2001-02-17'),

(10030,'Senior Engineer','2001-02-17','9999-01-01'),

(10031,'Engineer','1991-09-01','1998-09-01'),

(10031,'Senior Engineer','1998-09-01','9999-01-01'),

(10032,'Engineer','1990-06-20','1995-06-20'),

(10032,'Senior Engineer','1995-06-20','9999-01-01'),

(10033,'Technique Leader','1987-03-18','1993-03-24'),

(10034,'Staff','1995-04-12','1999-10-31'),

(10035,'Engineer','1988-09-05','1996-09-05'),

(10035,'Senior Engineer','1996-09-05','9999-01-01'),

(10036,'Senior Staff','1992-04-28','9999-01-01'),

(10037,'Engineer','1990-12-05','1995-12-05'),

(10037,'Senior Engineer','1995-12-05','9999-01-01'),

(10038,'Senior Staff','1996-09-20','9999-01-01'),

(10038,'Staff','1989-09-20','1996-09-20'),

(10039,'Senior Staff','1997-01-18','9999-01-01'),

(10039,'Staff','1988-01-19','1997-01-18'),

(10040,'Engineer','1993-02-14','1999-02-14'),

(10040,'Senior Engineer','1999-02-14','9999-01-01'),

(10041,'Senior Staff','1998-11-12','9999-01-01'),

(10041,'Staff','1989-11-12','1998-11-12'),

(10042,'Senior Staff','2000-03-21','2000-08-10'),

(10042,'Staff','1993-03-21','2000-03-21'),

(10043,'Engineer','1990-10-20','1997-10-20'),

(10043,'Senior Engineer','1997-10-20','9999-01-01'),

(10044,'Technique Leader','1994-05-21','9999-01-01'),

(10045,'Engineer','1996-11-16','9999-01-01'),

(10046,'Senior Staff','2000-06-20','9999-01-01'),

(10046,'Staff','1992-06-20','2000-06-20'),

(10047,'Engineer','1989-03-31','1998-03-31'),

(10047,'Senior Engineer','1998-03-31','9999-01-01'),

(10048,'Engineer','1985-02-24','1987-01-27'),

(10049,'Senior Staff','2000-05-04','9999-01-01'),

(10049,'Staff','1992-05-04','2000-05-04'),

(10050,'Senior Staff','1999-12-25','9999-01-01'),

(10050,'Staff','1990-12-25','1999-12-25'),

(10051,'Engineer','1992-10-15','1998-10-15'),

(10051,'Senior Engineer','1998-10-15','9999-01-01'),

(10052,'Senior Staff','2002-01-31','9999-01-01'),

(10052,'Staff','1997-01-31','2002-01-31'),

(10053,'Senior Staff','1994-11-13','9999-01-01'),

(10054,'Senior Staff','2000-07-28','9999-01-01'),

(10054,'Staff','1995-07-29','2000-07-28'),

(10055,'Staff','1992-04-27','1995-07-22'),

(10056,'Engineer','1990-02-01','1999-02-01'),

(10056,'Senior Engineer','1999-02-01','9999-01-01'),

(10057,'Engineer','1992-01-15','2000-01-15'),

(10057,'Senior Engineer','2000-01-15','9999-01-01'),

(10058,'Senior Staff','1988-04-25','9999-01-01'),

(10059,'Senior Staff','1991-06-26','9999-01-01'),

(10060,'Senior Staff','1996-05-28','9999-01-01'),

(10060,'Staff','1989-05-28','1996-05-28'),

(10061,'Senior Staff','1989-12-02','9999-01-01'),

(10062,'Engineer','1991-08-30','1999-08-30'),

(10062,'Senior Engineer','1999-08-30','9999-01-01'),

(10063,'Senior Engineer','1989-04-08','9999-01-01'),

(10064,'Staff','1985-11-20','1992-03-02'),

(10065,'Engineer','1998-05-24','9999-01-01'),

(10066,'Assistant Engineer','1986-02-26','1992-02-26'),

(10066,'Engineer','1992-02-26','1998-02-25'),

(10066,'Senior Engineer','1998-02-25','9999-01-01'),

(10067,'Engineer','1987-03-04','1996-03-03'),

(10067,'Senior Engineer','1996-03-03','9999-01-01'),

(10068,'Senior Staff','1996-08-06','9999-01-01'),

(10068,'Staff','1987-08-07','1996-08-06'),

(10069,'Technique Leader','1992-06-14','9999-01-01'),

(10070,'Technique Leader','1985-10-14','9999-01-01'),

(10071,'Staff','1995-08-05','9999-01-01'),

(10072,'Engineer','1989-05-21','1995-05-21'),

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-- 1. Lista el nombre del departamento actual de cada empleado (mostrando el nombre y

-- apellido del empleado).

select e.first\_name, e.last\_name, d.dept\_name

from employees e

join dept\_emp de on e.emp\_on = de.emp\_no

join departments d on d.dept\_no = d.dept\_no

where current\_date() between de.fromdate and de.to\_date;

-- 2. Muestra el salario actual de cada empleado y su nombre y apellidos.

select e.first\_name, e.last\_name, s.salary

from employees e

join salaries s on e.emp\_no = s.emp\_no

where current\_date() between s.from\_date and s.to\_date;

-- 3. Obtén la lista completa de jefes actuales de departamento y sus títulos.

select e.first\_name, e.last\_name, t.title, d.dept\_name

from employees e

join dept\_manager dm on e.emp\_no = dm.emp\_no

join departments d on dm.dept\_no = d.dept\_no

join titles t on e.emp\_no = t.emp\_no

where current\_date() between dm.from\_date and dm.to\_date and current\_date() between t.from\_date and t.to\_date;

-- 4. Enumera los 3 departamentos con más empleados en la actualidad.

select d.dept\_name, count(de.emp\_no) as num\_employees

from departments d

join dept\_emp de on d.dept\_no = de.dept\_no

where current\_date() between de.from\_date and de.to\_date

group by d.dept\_name

order by num\_employees desc

limit 3;

-- 5. Enumera a todos los empleados que han trabajado en el mismo departamento durante

-- más de 2 años.

select e.first\_name, e.last\_name, d.dept\_name, de.from\_date, de.to\_date

from employees e

join dept\_emp de on e.emp\_no = de.emp\_no

join departments d on de.dept\_no = d.dept\_no

where current\_date() between de.from\_date and de.to\_date

and datediff(current\_date(), de.from\_date) > 730; -- 730 dias son aproximadamente 2 años

-- 6. Calcula el salario medio por departamento entre los empleados que actualmente

-- trabajan en él.

select d.dept\_name, avg(s.salary) as avg\_salary

from departments d

join dept\_emp de on d.dept\_no = de.dept\_no

join salaries s on de.emp\_no = s.emp\_no

where current\_date() between de.from\_date and de.to\_date

and current\_date() between s.from\_date and s.to\_date

group by d.dept\_name;

-- 7. Muestra al empleado mejor pagado de cada departamento entre los que trabajan

-- actualmente.

select e.first\_name, e.last\_name, d.dept\_name, s.salary

from employees e

join dept\_emp de on e.emp\_no = de.emp\_no

join departments d on de.dept\_no = d.dept\_no

join salaries s on e.emp\_no = s.emp\_no

where current\_date() between de.from\_date and de.to\_date

and current\_date() between s.from\_date and s.to\_date

and s.salary = (select max(salary)

from salaries

where emp\_no = e.emp\_no

and current\_date() between from\_date and to\_date);

-- 8. Muestra los detalles del jefe actual de departamentos con el salario más bajo.

select e.first\_name, e.last\_name, d.dept\_name, s.salary

from employees e

join dept\_manager dm on e.emp\_no = dm.emp\_no

join departments d on dm.dept\_no = d.dept\_no

join salaries s on e.emp\_no = s.emp\_no

where current\_date() between dm.from\_date and dm.to\_date

and current\_date() between s.from\_date and s.to\_date

and s.salary = (select min(salary)

from salaries

join dept\_manager dm2 on salaries.emp\_no = dm2.emp\_no

where current\_date() between dm2.from\_date and dm2.to\_date

and current\_date() between salaries.from\_date and salaries.to\_date);

-- 9. Muestra el salario, título, nombre y apellido del primer empleado contratado por la

-- empresa.

select s.salary, t.title, e.first\_name, e.last\_name

from employees e

join titles t on e.emp\_no = t.emp\_no

join salaries s on e.emp\_no = s.emp\_no

where e.hire\_date = (select min(hire\_date) from employees);