create database akasia;

use akasia;

create table Employee(

Id int not null auto\_increment,

EmployeeId varchar(10) not null,

FullName varchar(100) not null,

BirthDate date,

Address varchar(500),

primary key(Id),

unique(EmployeeId)

);

create table PositionHistory(

Id int not null auto\_increment,

PosId varchar(10) not null,

PosTitle varchar(100) not null,

EmployeeId varchar(10) not null,

StartDate date not null,

EndDate date not null,

primary key(Id)

);

insert into Employee(EmployeeId, FullName, BirthDate, Address) values("10105001", "Ali Anton", "1982-08-19", "Jakarta Utara");

insert into Employee(EmployeeId, FullName, BirthDate, Address) values("10105002", "Rara Siva", "1982-01-01", "Mandalika");

insert into Employee(EmployeeId, FullName, BirthDate, Address) values("10105003", "Rini Aini", "1982-02-20", "Sumbawa Besar");

insert into Employee(EmployeeId, FullName, BirthDate, Address) values("10105004", "Budi", "1982-02-22", "Mataram Kota");

insert into PositionHistory(PosId, PosTitle, EmployeeId, StartDate, EndDate) values("50000", "IT Manager", "10105001", "2022-01-01", "2022-02-28");

insert into PositionHistory(PosId, PosTitle, EmployeeId, StartDate, EndDate) values("50001", "IT Sr. Manager", "10105001", "2022-03-01", "2022-12-31");

insert into PositionHistory(PosId, PosTitle, EmployeeId, StartDate, EndDate) values("50002", "Programmer Analyst", "10105002", "2022-01-01", "2022-02-28");

insert into PositionHistory(PosId, PosTitle, EmployeeId, StartDate, EndDate) values("50003", "Sr. Programmer Analyst", "10105002", "2022-03-01", "2022-12-31");

insert into PositionHistory(PosId, PosTitle, EmployeeId, StartDate, EndDate) values("50004", "IT Admin", "10105003", "2022-01-01", "2022-02-28");

insert into PositionHistory(PosId, PosTitle, EmployeeId, StartDate, EndDate) values("50005", "IT Secretary", "10105003", "2022-03-01", "2022-12-31");

SELECT e.Id, e.EmployeeId, e.FullName, e.BirthDate, e.Address, ph.PosId, ph.PosTitle, ph.StartDate, ph.EndDate

FROM Employee e

INNER JOIN (

SELECT EmployeeId, MAX(StartDate) AS MaxStartDate

FROM PositionHistory

GROUP BY EmployeeId

) latest ON e.EmployeeId = latest.EmployeeId

INNER JOIN PositionHistory ph ON e.EmployeeId = ph.EmployeeId AND latest.MaxStartDate = ph.StartDate;

