LOAD CSV WITH HEADERS FROM 'file:///Positions.csv' AS row

WITH toInteger(row.Established) AS Established, toInteger(row.Removed) AS Removed, toInteger(row.DateRenamed) AS DateRenamed, row.Appointment AS Appointment, row.CabinetLevel AS CabinetLevel, row.Department AS Department, row.FormerDateRenamed AS FormerDateRenamed, row.FormerName as FormerName

CREATE (p:Position {Department: Department})

  SET p.Established=Established, p.Removed=Removed, p.DateRenamed=DateRenamed, p.Appointment=Appointment, p.CabinetLevel=CabinetLevel, p.Department=Department, p.FormerDateRenamed=FormerDateRenamed, p.FormerName=FormerName

RETURN count(p);

LOAD CSV WITH HEADERS FROM 'file:///Appts-Fixed.csv' AS row

WITH toInteger(row.Gender) AS Gender, toInteger(row.ForeignBorn) AS ForeignBorn, toInteger(row.Minority) AS Minority, toInteger(row.DiedOffice) AS DiedOffice, toInteger(row.Key) AS Key, (row.Administration) AS Administration, (row.Party) AS Party, row.Department AS Department, row.Name AS Name, row.LastName AS LastName, date(row.ServiceStart) AS ServiceStart, date(row.ServiceEnd) AS ServiceEnd, row.ScandalDesc AS ScandalDesc, row.EduDesc AS EduDesc, (row.MilitaryService) AS MilitaryService, (row.MilitaryDatesServed) AS MilitaryDatesServed, (row.MilitaryBranch) AS MilitaryBranch, (row.SenateVotesFor) AS SenateVotesFor, (row.SenateVotesAgainst) AS SenateVotesAgainst, (row.Law) AS Law

MERGE (a:Appointee {Key: Key})

    SET a.Gender=Gender, a.ForeignBorn=ForeignBorn, a.Minority=Minority, a.DiedOffice=DiedOffice, a.Key=Key, a.Administration=Administration, a.Party=Party, a.Department=Department, a.Name=Name, a.LastName=LastName, a.ServiceStart=ServiceStart, a.ServiceEnd=ServiceEnd, a.ScandalDesc=ScandalDesc, a.EduDesc=EduDesc, a.MilitaryService=MilitaryService, a.MilitaryDatesServed=MilitaryDatesServed, a.MilitaryBranch=MilitaryBranch, a.SenateVotesFor=SenateVotesFor, a.SenateVotesAgainst=SenateVotesAgainst, a.Law=Law

RETURN count(a)



CREATE CONSTRAINT UniqueKey ON (a:Appointee) ASSERT a.Key IS UNIQUE;

MATCH (a:Appointee), (p:Position)

WHERE a.Department=p.Appointment

CREATE (a)-[r:HAS\_POSITION]->(p)

RETURN type(r)

1. MATCH(a:Appointee{Administration:'Clinton'})-[r:HAS\_POSITION]->(p:Position)

RETURN DISTINCT p.Appointment

Graphical user interface, text, application, email

Description automatically generated

1. MATCH (a:Appointee{Gender:0})-[r:HAS\_POSITION]->(p:Position)

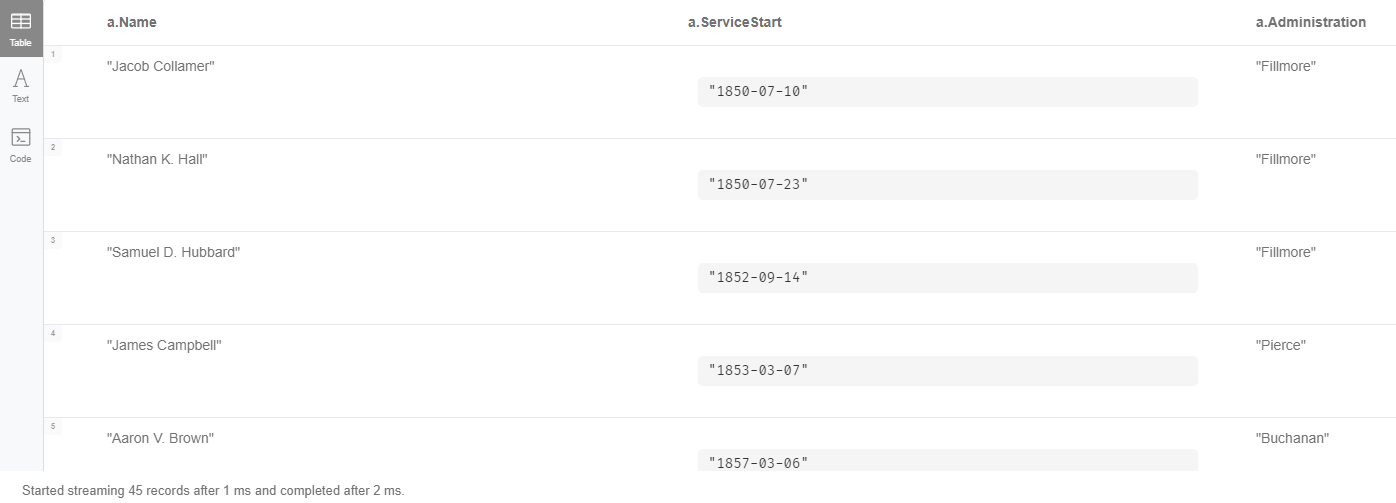
Graphical user interface, application

Description automatically generatedRETURN a.Name, a.Department, a.ServiceStart, a.ServiceEnd, a.EduDesc

1. MATCH (a:Appointee)-[r:HAS\_POSITION]->(p:Position {Appointment:'Postmaster General'})

WHERE a.ServiceStart > date("1850-01-01") AND a.ServiceStart < date("1950-01-01")

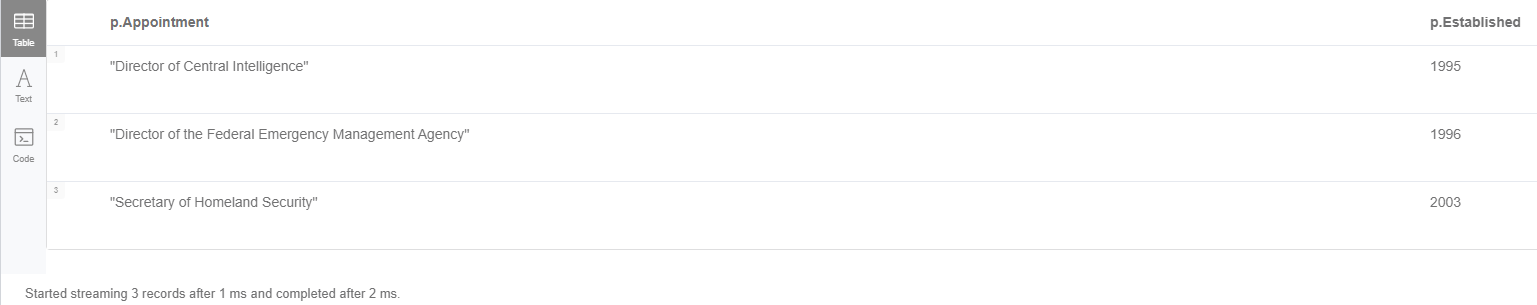
RETURN a.Name, a.ServiceStart, a.Administration

ORDER BY a.ServiceStart

1. MATCH (a:Appointee)-[r:HAS\_POSITION]->(p:Position)

WHERE p.Established > 1990

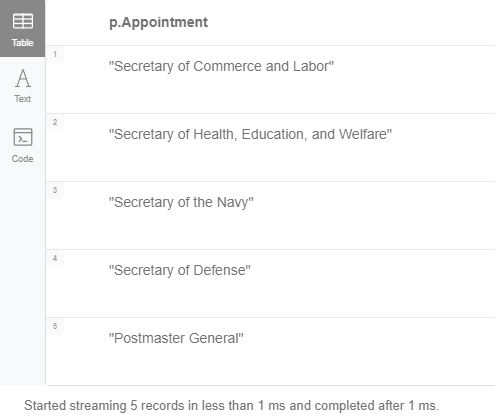
RETURN DISTINCT p.Appointment, p.Established

ORDER BY p.Established

1. MATCH (a:Appointee)-[r:HAS\_POSITION]->(p:Position)

WHERE EXISTS (p.DateRenamed)

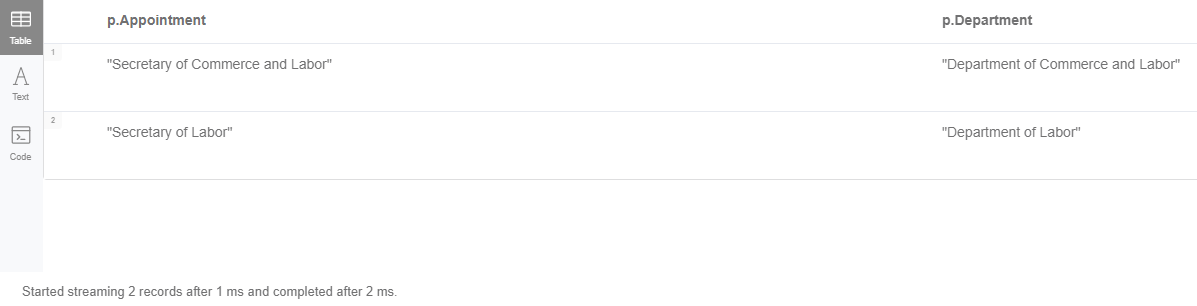
RETURN DISTINCT p.Appointment



1. MATCH (a:Appointee)-[r:HAS\_POSITION]->(p:Position)

WHERE a.Department CONTAINS 'Labor'

RETURN DISTINCT p.Appointment, p.Department



1. MATCH (a:Appointee)-[r:HAS\_POSITION]->(p:Position)

RETURN DISTINCT p.Appointment, a.Department, a.Administration, p.Established

ORDER BY p.Established

Graphical user interface, application

Description automatically generated

1. MATCH (a:Appointee {MilitaryBranch:'Navy'})-[r:HAS\_POSITION]->(p:Position)

RETURN count(DISTINCT p.Appointment)

Graphical user interface, text, application, email

Description automatically generated

1. MATCH (a:Appointee{Gender:0})-[r:HAS\_POSITION]->(p:Position)

RETURN count(a.Department), a.Gender

Graphical user interface, text, application, email

Description automatically generated

1. MATCH (a:Appointee)-[r:HAS\_POSITION]->(p:Position)

WHERE NOT a.MilitaryBranch = ""

Graphical user interface, text, application

Description automatically generatedRETURN count(DISTINCT a.Name), a.MilitaryBranch

Shape, circle

Description automatically generated

Diagram

Description automatically generated with medium confidence

Chart, bubble chart

Description automatically generated with medium confidence