**## Create Actor**

LOAD CSV WITH HEADERS FROM "file:///Actor.csv" AS line CREATE(a:Actor) SET a={actor\_id:line.ActorId, afirstname:line.AFirstName,alastname:line.ALastName,agender:line.AGender} RETURN a

**## Create Cast**

LOAD CSV WITH HEADERS FROM "file:///Cast.csv" AS line CREATE(c:Cast) SET c={cast\_id:line.CastID,director\_id:line.DirectorID,actor\_id:line.ActorId} RETURN c

**## Create Director**

LOAD CSV WITH HEADERS FROM "file:///Director.csv" AS line CREATE(d:Director) SET d={director\_id:line.DirectorId,dfirstname:line.DFirstName,dlastname:line.DLastName,dgender:line.Dgender} RETURN d

**## Create Location**

LOAD CSV WITH HEADERS FROM "file:///Location.csv" AS line CREATE(l:Location) SET l={location\_id:line.LocationId,region:line.Region,country:line.Country,continent:line.Continet} RETURN l

**## Create Movie**

LOAD CSV WITH HEADERS FROM "file:///Movie.csv" AS line CREATE(m:Movie) SET m={movie\_id:line.MovieId,mname:line.MName,mrating:line.Mrating,mgenre:line.Mgenre,date:line.Date,cast\_id:line.CastID,location\_id:line.LocationID} RETURN m

**## Create Sales**

LOAD CSV WITH HEADERS FROM "file:///Sales.csv" AS line CREATE(s:Sales) SET s={sales\_id:line.SalesId,noticketssold:line.NoTicketsSold,priceofticket:line.PriceofTicket,location\_id:line.LocationID} RETURN s

**## Creating Constraint script for Unique Value:**

CREATE CONSTRAINT ON(a:Actor) ASSERT a.actor\_id IS UNIQUE

CREATE CONSTRAINT ON(c:Cast) ASSERT c.cast\_id IS UNIQUE

CREATE CONSTRAINT ON(d:Director) ASSERT d.director\_id IS UNIQUE

CREATE CONSTRAINT ON(l:Location) ASSERT l.location\_id IS UNIQUE

CREATE CONSTRAINT ON(m:Movie) ASSERT m.movie\_id IS UNIQUE

CREATE CONSTRAINT ON(s:Sales) ASSERT s.sales\_id IS UNIQUE

**## MATCH QUERY:**

**## Query\_1**

MATCH (l:Location),(s:Sales) WHERE l.location\_id=s.location\_id CREATE (l)-[r:Sales\_in\_location]- >(s) RETURN l,s,r

**## Query\_2**

MATCH (a:Actor),(c:Cast),(d:Director) WHERE a.actor\_id=c.actor\_id AND c.director\_id=d.director\_id CREATE (a)-[r:Cast{cast\_id:c.cast\_id}]- >(d) RETURN a, c, d, r

**## Query\_3**

MATCH (l:Location),(m:Movie),(c:Cast) WHERE l.location\_id=m.location\_id AND m.cast\_id=c.cast\_id CREATE (l)-[r:Movie{movie\_id:m.movie\_id,mname:m.mname,mrating:m.mrating,mgenre:m.mgenre,date:m.date}]- >(c) RETURN l,m,c,r

**## Query\_4**

MATCH (s:Sales),(l:Location),(m:Movie) WHERE s.location\_id=l.location\_id AND l.location\_id=m.location\_id CREATE (s)-[r:Location{region:l.region,country:l.country,continent:l.continent}]- >(m) RETURN s,l,m,r

**## Query\_5**

MATCH (m:Movie),(c:Cast) WHERE m.cast\_id=c.cast\_id CREATE (m)-[r:Movie\_Cast]- > (c) RETURN m,r,c

**## Query\_6**

MATCH (m:Movie),(c:Cast),(a:Actor) WHERE m.cast\_id=c.cast\_id AND c.actor\_id=a.actor\_id CREATE (m)-[r:Actor\_of]- > (c) RETURN m,c,a,r limit 5

**## Query\_7**

MATCH (m:Movie),(c:Cast),(d:Director) WHERE m.cast\_id=c.cast\_id AND c.director\_id=d.director\_id CREATE (m)-[r:Director\_of]- > (c) RETURN m,c,d,r limit 5