



Neo4j Physical Model

Schema for:

Model name: New model

Author:

Version:

File name: neo4j.hck.json

File path: /home/hackolade/Documents/data/neo4j.hck.json

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Created with: [Hackolade](#) - Polyglot data modeling for NoSQL databases, storage formats, REST APIs, and JSON in RDBMS

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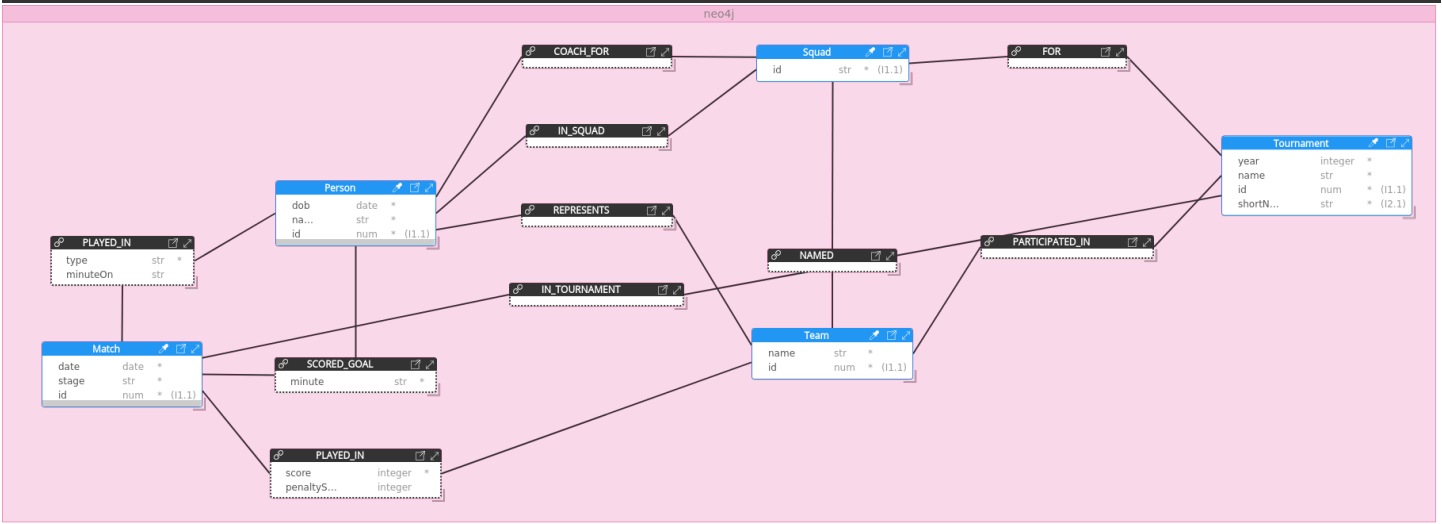
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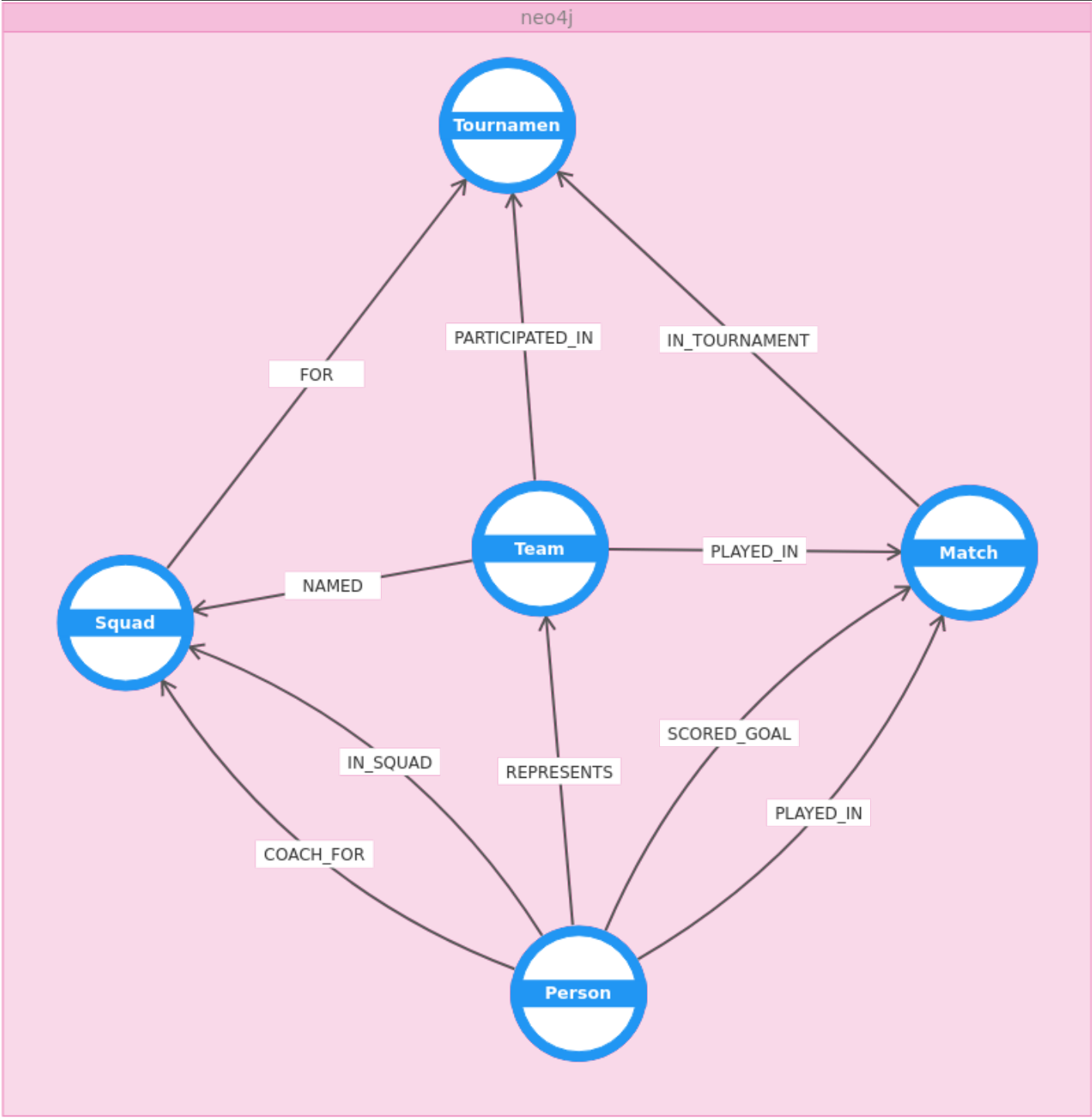
1. MODEL

1.1 Model New model

1.1.1 New model Entity Relationship Diagram



1.1.2 New model Graph Diagram



1.1.3 New model Properties

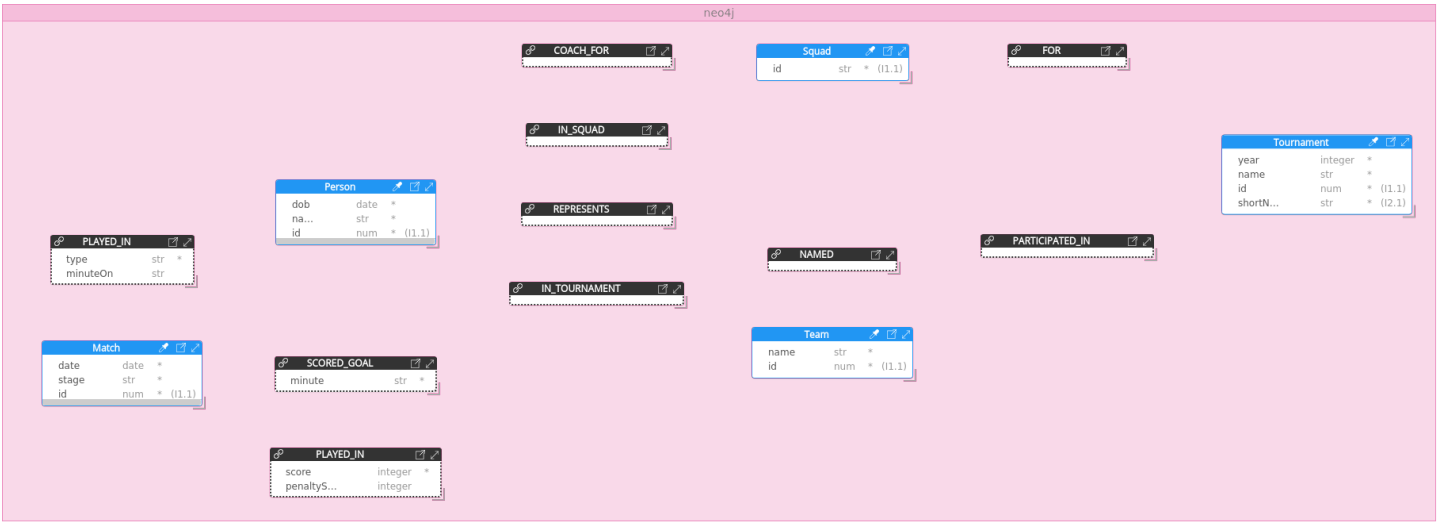
1.1.3.1 Details tab

PROPERTY	VALUE
Model name	New model
Technical name	
Description	
Author	
Version	
Synchronization Id	
DB vendor	Neo4j
DB version	5.x
Lineage capture	
Polyglot models	
Comments	

1.1.4 New model Model Definitions

2. DATABASES

2.1 Database neo4j



2.1.1 neo4j Properties

PROPERTY	VALUE
Database name	neo4j
Technical name	
Activated	true
Description	
Comments	

2.1.2 neo4j Node Labels

2.1.2.1 Node Labels Match

2.1.2.1.1 Match Properties

PROPERTY	VALUE
Node key	Match
Technical name	
Activated	true
Id	
\$ref	
Description	
Database	neo4j
Parent node label	
Sub-Node	
Additional properties	true
Comments	

2.1.2.1.2 Match Property keys

PROPERTY KEY	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
date	date	true			
stage	string	true			
id	number	true			

2.1.2.1.2.1 Property Key date

2.1.2.1.2.1.1 date Tree Diagram

{tmp}	date
	temporal

2.1.2.1.2.1.2 date properties

PROPERTY	VALUE
Name	date
Technical name	
Activated	true
Id	
Description	
Type	temporal
Subtype	date
Dependencies	
Required constraint	true
Unique constraint	false
Default	
Faker function	
Sample	1999-06-20
Comments	

2.1.2.1.2.2 Property Key stage

2.1.2.1.2.2.1 stage Tree Diagram

{ABC}	stage
	string

2.1.2.1.2.2.2 stage properties

PROPERTY	VALUE
Name	stage
Technical name	
Activated	true
Id	
Description	
Type	string
Min length	
Max length	
Pattern	
Format	
Default	
Enum	
Dependencies	
Required constraint	true
Unique constraint	false
Faker function	
Sample	Group Matches
Comments	

2.1.2.1.2.3 Property Key id

2.1.2.1.2.3.1 id Tree Diagram

{123} id
(11.1) number

2.1.2.1.2.3.2 id properties

PROPERTY	VALUE
Name	id
Technical name	
Activated	true
Id	
Description	
Type	number
Subtype	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Default	
Enum	
Dependencies	
Required constraint	true
Unique constraint	true
Faker function	
Sample	300438261
Comments	

2.1.2.1.3 Match Indexes

PROPERTY	CONSTRAINT_A016A763
Name	constraint_a016a763
Activated	true
Key	id
State	ONLINE
Provider	range-1.0
Description	
Comments	

2.1.2.1.4 Match JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "Match",
  "properties": {
    "date": {
      "type": "string"
    },
    "stage": {
      "type": "string"
    },
    "id": {
      "type": "number"
    }
  },
  "required": [
    "date",
    "stage",
    "id"
  ]
}
```

2.1.2.1.5 Match JSON data

```
{
  "date": "1999-06-20",
  "stage": "Group Matches",
  "id": 300438261
}
```

2.1.2.2 Node Labels Person

2.1.2.2.1 Person Properties

PROPERTY	VALUE
Node key	Person
Technical name	
Activated	true
Id	
\$ref	
Description	
Database	neo4j
Parent node label	
Sub-Node	
Additional properties	true
Comments	

2.1.2.2.2 Person Property keys

PROPERTY KEY	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
dob	date	true			
name	string	true			
id	number	true			

2.1.2.2.2.1 Property Key dob

2.1.2.2.2.1.1 dob Tree Diagram

{tmp}	dob
temporal	

2.1.2.2.2.1.2 dob properties

PROPERTY	VALUE
Name	dob
Technical name	
Activated	true
Id	
Description	
Type	temporal
Subtype	date
Dependencies	
Required constraint	true
Unique constraint	false
Default	
Faker function	
Sample	1979-05-12
Comments	

2.1.2.2.2.2 Property Key name

2.1.2.2.2.2.1 name Tree Diagram

{ABC}	name
string	

2.1.2.2.2.2.2 name properties

PROPERTY	VALUE
Name	name
Technical name	
Activated	true
Id	
Description	
Type	string
Min length	
Max length	
Pattern	
Format	
Default	
Enum	
Dependencies	
Required constraint	true
Unique constraint	false
Faker function	
Sample	Dianne Alagich
Comments	

2.1.2.2.2.3 Property Key id

2.1.2.2.2.3.1 id Tree Diagram

{123}	id
(11.1)	number

2.1.2.2.2.3.2 id properties

PROPERTY	VALUE
Name	id
Technical name	
Activated	true
Id	
Description	
Type	number
Subtype	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Default	
Enum	
Dependencies	
Required constraint	true
Unique constraint	true
Faker function	
Sample	277233
Comments	

2.1.2.2.3 Person Indexes

PROPERTY	CONSTRAINT_50656458
Name	constraint_50656458
Activated	true
Key	id
State	ONLINE
Provider	range-1.0
Description	
Comments	

2.1.2.2.4 Person JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "Person",
  "properties": {
    "dob": {
      "type": "string"
    },
    "name": {
      "type": "string"
    },
    "id": {
      "type": "number"
    }
  },
  "required": [
    "dob",
    "name",
    "id"
  ]
}
```

2.1.2.2.5 Person JSON data

```
{
  "dob": "1979-05-12",
  "name": "Dianne Alagich",
  "id": 277233
}
```

2.1.2.3 Node Labels Squad

2.1.2.3.1 Squad Properties

PROPERTY	VALUE
Node key	Squad
Technical name	
Activated	true
Id	
\$ref	
Description	
Database	neo4j
Parent node label	
Sub-Node	
Additional properties	true
Comments	

2.1.2.3.2 Squad Property keys

PROPERTY KEY	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
id	string	true			

2.1.2.3.2.1 Property Key id

2.1.2.3.2.1.1 id Tree Diagram

{ABC}	id
(11.1)	string

2.1.2.3.2.1.2 id properties

PROPERTY	VALUE
Name	id
Technical name	
Activated	true
Id	
Description	
Type	string
Min length	
Max length	
Pattern	
Format	
Default	
Enum	
Dependencies	
Required constraint	true
Unique constraint	true
Faker function	
Sample	England in 2007
Comments	

2.1.2.3.3 Squad Indexes

PROPERTY	CONSTRAINT_44E8CDA2
Name	constraint_44e8cda2
Activated	true
Key	id
State	ONLINE
Provider	range-1.0
Description	
Comments	

2.1.2.3.4 Squad JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "Squad",
  "properties": {
    "id": {
      "type": "string"
    }
  },
  "required": [
    "id"
  ]
}
```

2.1.2.3.5 Squad JSON data

```
{
  "id": "England in 2007"
}
```

2.1.2.4 Node Labels Team

2.1.2.4.1 Team Properties

PROPERTY	VALUE
Node key	Team
Technical name	
Activated	true
Id	
\$ref	
Description	
Database	neo4j
Parent node label	
Sub-Node	
Additional properties	true
Comments	

2.1.2.4.2 Team Property keys

PROPERTY KEY	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
name	string	true			
id	number	true			

2.1.2.4.2.1 Property Key name

2.1.2.4.2.1.1 name Tree Diagram



2.1.2.4.2.1.2 name properties

PROPERTY	VALUE
Name	name
Technical name	
Activated	true
Id	
Description	
Type	string
Min length	
Max length	
Pattern	
Format	
Default	
Enum	
Dependencies	
Required constraint	true
Unique constraint	false
Faker function	
Sample	Japan
Comments	

2.1.2.4.2.2 Property Key id

2.1.2.4.2.2.1 id Tree Diagram

{123}	id
(11.1)	number

2.1.2.4.2.2.2 id properties

PROPERTY	VALUE
Name	id
Technical name	
Activated	true
Id	
Description	
Type	number
Subtype	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Default	
Enum	
Dependencies	
Required constraint	true
Unique constraint	true
Faker function	
Sample	1888631
Comments	

2.1.2.4.3 Team Indexes

PROPERTY	CONSTRAINT_5101B27D
Name	constraint_5101b27d
Activated	true
Key	id
State	ONLINE
Provider	range-1.0
Description	
Comments	

2.1.2.4.4 Team JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "Team",
  "properties": {
    "name": {
      "type": "string"
    },
    "id": {
      "type": "number"
    }
  },
  "required": [
    "name",
    "id"
  ]
}
```

2.1.2.4.5 Team JSON data

```
{
  "name": "Japan",
  "id": 1888631
}
```

2.1.2.5 Node Labels Tournament

2.1.2.5.1 Tournament Properties

PROPERTY	VALUE
Node key	Tournament
Technical name	
Activated	true
Id	
\$ref	
Description	
Database	neo4j
Parent node label	
Sub-Node	
Additional properties	true
Comments	

2.1.2.5.2 Tournament Property keys

PROPERTY KEY	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
year	integer	true			
name	string	true			
id	number	true			
shortName	string	true			

2.1.2.5.2.1 Property Key year

2.1.2.5.2.1.1 year Tree Diagram

{123}	year
	<i>number</i>

2.1.2.5.2.1.2 year properties

PROPERTY	VALUE
Name	year
Technical name	
Activated	true
Id	
Description	
Type	number
Subtype	integer
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Default	
Enum	
Dependencies	
Required constraint	true
Unique constraint	false
Faker function	
Sample	2011
Comments	

2.1.2.5.2.2 Property Key name

2.1.2.5.2.2.1 name Tree Diagram

{ABC}	name
	<i>string</i>

2.1.2.5.2.2 name properties

PROPERTY	VALUE
Name	name
Technical name	
Activated	true
Id	
Description	
Type	string
Min length	
Max length	
Pattern	
Format	
Default	
Enum	
Dependencies	
Required constraint	true
Unique constraint	false
Faker function	
Sample	Germany 2011
Comments	

2.1.2.5.2.3 Property Key id

2.1.2.5.2.3.1 id Tree Diagram

{123} id
(11.1) number

2.1.2.5.2.3.2 id properties

PROPERTY	VALUE
Name	id
Technical name	
Activated	true
Id	
Description	
Type	number
Subtype	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Default	
Enum	
Dependencies	
Required constraint	true
Unique constraint	true
Faker function	
Sample	251475
Comments	

2.1.2.5.2.4 Property Key shortName

2.1.2.5.2.4.1 shortName Tree Diagram

{ABC}	shortName
(I2.1)	string

2.1.2.5.2.4.2 shortName properties

PROPERTY	VALUE
Name	shortName
Technical name	
Activated	true
Id	
Description	
Type	string
Min length	
Max length	
Pattern	
Format	
Default	
Enum	
Dependencies	
Required constraint	true
Unique constraint	false
Faker function	
Sample	germany2011
Comments	

2.1.2.5.3 Tournament Indexes

PROPERTY	CONSTRAINT_5077B8D	INDEX_36FCEFDf
Name	constraint_5077b8d	index_36fcefdf
Activated	true	true
Key	id	shortName
State	ONLINE	ONLINE
Provider	range-1.0	range-1.0
Description		
Comments		

2.1.2.5.4 Tournament JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "Tournament",
  "properties": {
    "year": {
      "type": "number"
    },
    "name": {
      "type": "string"
    },
    "id": {
      "type": "number"
    },
    "shortName": {
      "type": "string"
    }
  },
  "required": [
    "year",
    "name",
    "id",
    "shortName"
  ]
}
```

2.1.2.5.5 Tournament JSON data

```
{
  "year": 2011,
  "name": "Germany 2011",
  "id": 251475,
  "shortName": "germany2011"
}
```

2.1.3 neo4j Cypher

```

:begin
// cat <path to cypher file> | ./bin/cypher-shell -a <address> -u <user> -p <password>

CREATE (`match`:`Match` {
    `date`: date("1999-06-20"),
    `stage`: "Group Matches",
    `id`: 300438261
}),

(`squad`:`Squad` {
    `id`: "England in 2007"
}),

(`team`:`Team` {
    `name`: "Japan",
    `id`: 1888631
}),

(`tournament`:`Tournament` {
    `year`: 2011,
    `name`: "Germany 2011",
    `id`: 251475,
    `shortName`: "germany2011"
}),

(`person`:`Person` {
    `dob`: date("1979-05-12"),
    `name`: "Dianne Alagich",
    `id`: 277233
}),

(`match`)-[:`IN_TOURNAMENT` {`id`}]>(`tournament`),

(`squad`)-[:`FOR` {`id`}]>(`tournament`),

(`team`)-[:`NAMED` {`id`}]>(`squad`),

(`team`)-[:`PARTICIPATED_IN` {`id`}]>(`tournament`),

(`team`)-[:`PLAYED_IN` {
    `score`: 4,
    `penaltyScore`: 1
}]>(`match`),

(`person`)-[:`SCORED_GOAL` {
    `minute`: "40"
}]>(`match`),

(`person`)-[:`COACH_FOR` {`id`}]>(`squad`),

(`person`)-[:`PLAYED_IN` {
    `type`: "Started",
    `minuteOn`: "74"
}]>(`match`),

(`person`)-[:`REPRESENTS` {`id`}]>(`team`),

(`person`)-[:`IN_SQUAD` {`id`}]>(`squad`)
RETURN `match`,`squad`,`team`,`tournament`,`person`;
:commit

```

```

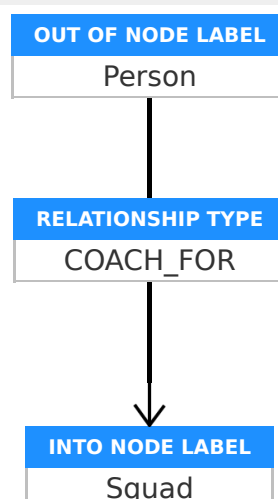
:begin
CREATE CONSTRAINT IF NOT EXISTS FOR (`match`:`Match`) REQUIRE `match`.`date` IS NOT NULL;
CREATE CONSTRAINT IF NOT EXISTS FOR (`match`:`Match`) REQUIRE `match`.`stage` IS NOT NULL;
CREATE CONSTRAINT IF NOT EXISTS FOR (`match`:`Match`) REQUIRE `match`.`id` IS NOT NULL;
CREATE CONSTRAINT IF NOT EXISTS FOR (`match`:`Match`) REQUIRE `match`.`id` IS UNIQUE;
CREATE CONSTRAINT IF NOT EXISTS FOR (`squad`:`Squad`) REQUIRE `squad`.`id` IS NOT NULL;
CREATE CONSTRAINT IF NOT EXISTS FOR (`squad`:`Squad`) REQUIRE `squad`.`id` IS UNIQUE;
CREATE CONSTRAINT IF NOT EXISTS FOR (`team`:`Team`) REQUIRE `team`.`name` IS NOT NULL;
CREATE CONSTRAINT IF NOT EXISTS FOR (`team`:`Team`) REQUIRE `team`.`id` IS NOT NULL;
CREATE CONSTRAINT IF NOT EXISTS FOR (`team`:`Team`) REQUIRE `team`.`id` IS UNIQUE;
CREATE CONSTRAINT IF NOT EXISTS FOR (`tournament`:`Tournament`) REQUIRE `tournament`.`year` IS NOT
NULL;
CREATE CONSTRAINT IF NOT EXISTS FOR (`tournament`:`Tournament`) REQUIRE `tournament`.`name` IS NOT
NULL;
CREATE CONSTRAINT IF NOT EXISTS FOR (`tournament`:`Tournament`) REQUIRE `tournament`.`id` IS NOT NULL;
CREATE CONSTRAINT IF NOT EXISTS FOR (`tournament`:`Tournament`) REQUIRE `tournament`.`shortName` IS
NOT NULL;
CREATE CONSTRAINT IF NOT EXISTS FOR (`tournament`:`Tournament`) REQUIRE `tournament`.`id` IS UNIQUE;
CREATE CONSTRAINT IF NOT EXISTS FOR (`person`:`Person`) REQUIRE `person`.`dob` IS NOT NULL;
CREATE CONSTRAINT IF NOT EXISTS FOR (`person`:`Person`) REQUIRE `person`.`name` IS NOT NULL;
CREATE CONSTRAINT IF NOT EXISTS FOR (`person`:`Person`) REQUIRE `person`.`id` IS NOT NULL;
CREATE CONSTRAINT IF NOT EXISTS FOR (`person`:`Person`) REQUIRE `person`.`id` IS UNIQUE;
CREATE CONSTRAINT IF NOT EXISTS FOR ()-[`scored_goal`:`SCORED_GOAL`]-( ) REQUIRE `scored_goal`.`minute` IS
NOT NULL;
CREATE CONSTRAINT IF NOT EXISTS FOR ()-[`played_in`:`PLAYED_IN`]-( ) REQUIRE `played_in`.`type` IS NOT NULL;
CREATE CONSTRAINT IF NOT EXISTS FOR ()-[`played_in`:`PLAYED_IN`]-( ) REQUIRE `played_in`.`score` IS NOT NULL;
:commit
:begin
CREATE RANGE INDEX `constraint_a016a763` IF NOT EXISTS FOR (`match`:`Match`) ON (`match`.`id`);
CREATE RANGE INDEX `constraint_44e8cda2` IF NOT EXISTS FOR (`squad`:`Squad`) ON (`squad`.`id`);
CREATE RANGE INDEX `constraint_5101b27d` IF NOT EXISTS FOR (`team`:`Team`) ON (`team`.`id`);
CREATE RANGE INDEX `constraint_5077b8d` IF NOT EXISTS FOR (`tournament`:`Tournament`) ON
(`tournament`.`id`);
CREATE RANGE INDEX `index_36fcefd` IF NOT EXISTS FOR (`tournament`:`Tournament`) ON
(`tournament`.`shortName`);
CREATE RANGE INDEX `constraint_50656458` IF NOT EXISTS FOR (`person`:`Person`) ON (`person`.`id`);
:commit

```

3. RELATIONSHIP TYPES

3.1 Relationship Type COACH_FOR

3.1.1 COACH_FOR Diagram



3.1.2 COACH_FOR Properties

PROPERTY	VALUE
Name	COACH_FOR
Description	
Activated	true
Database	0f127ac8-58fc-426a-9ac5-36c1b3336536
Out of node label	495e06ca-fd67-4eb5-b3fb-a4d9d275dff6
Into node label	9dfe18c3-e557-465b-a451-22f9181aadaa
Comments	
Implicitly bi-directional	

3.1.3 COACH_FOR Tree Diagram

3.1.4 COACH_FOR Property keys

PROPERTY KEY	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
--------------	------	-----	-----	-------------	----------

3.1.5 COACH_FOR JSON Schema

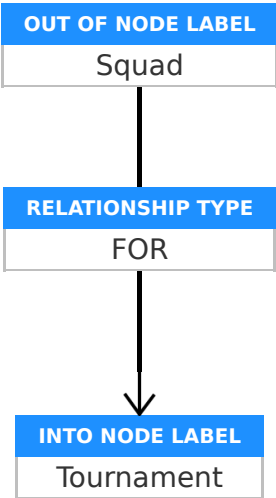
```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object"
}
```

3.1.6 COACH_FOR JSON data

```
{}
```

3.2 Relationship Type FOR

3.2.1 FOR Diagram



3.2.2 FOR Properties

PROPERTY	VALUE
Name	FOR
Description	
Activated	true
Database	0f127ac8-58fc-426a-9ac5-36c1b3336536
Out of node label	9dfc18c3-e557-465b-a451-22f9181aadaa
Into node label	d9f5cbcc-c608-46ca-b387-356af3921af9
Comments	
Implicitly bi-directional	

3.2.3 FOR Tree Diagram

3.2.4 FOR Property keys

PROPERTY KEY	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
--------------	------	-----	-----	-------------	----------

3.2.5 FOR JSON Schema

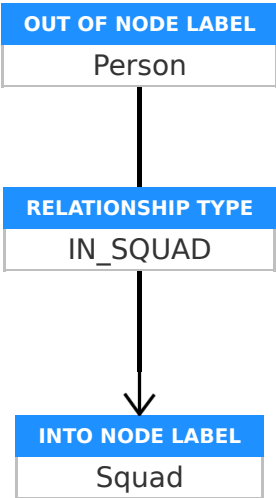
```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object"
}
```

3.2.6 FOR JSON data

```
{}
```

3.3 Relationship Type IN_SQUAD

3.3.1 IN_SQUAD Diagram



3.3.2 IN_SQUAD Properties

PROPERTY	VALUE
Name	IN_SQUAD
Description	
Activated	true
Database	0f127ac8-58fc-426a-9ac5-36c1b3336536
Out of node label	495e06ca-fd67-4eb5-b3fb-a4d9d275dff6
Into node label	9dfe18c3-e557-465b-a451-22f9181aadaa
Comments	
Implicitly bi-directional	

3.3.3 IN_SQUAD Tree Diagram

3.3.4 IN_SQUAD Property keys

PROPERTY KEY	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
--------------	------	-----	-----	-------------	----------

3.3.5 IN_SQUAD JSON Schema

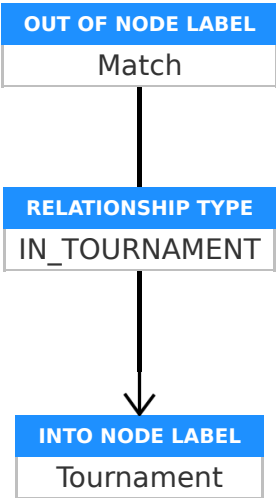
```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object"
}
```

3.3.6 IN_SQUAD JSON data

```
{}
```

3.4 Relationship Type IN_TOURNAMENT

3.4.1 IN_TOURNAMENT Diagram



3.4.2 IN_TOURNAMENT Properties

PROPERTY	VALUE
Name	IN_TOURNAMENT
Description	
Activated	true
Database	0f127ac8-58fc-426a-9ac5-36c1b3336536
Out of node label	c455d243-9531-4f93-ad7f-7c0083332738
Into node label	d9f5cbcc-c608-46ca-b387-356af3921af9
Comments	
Implicitly bi-directional	

3.4.3 IN_TOURNAMENT Tree Diagram

3.4.4 IN_TOURNAMENT Property keys

PROPERTY KEY	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
--------------	------	-----	-----	-------------	----------

3.4.5 IN_TOURNAMENT JSON Schema

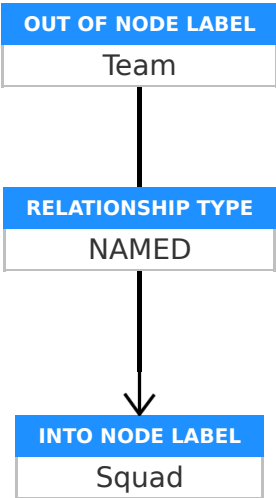
```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object"
}
```

3.4.6 IN_TOURNAMENT JSON data

```
{}
```

3.5 Relationship Type NAMED

3.5.1 NAMED Diagram



3.5.2 NAMED Properties

PROPERTY	VALUE
Name	NAMED
Description	
Activated	true
Database	0f127ac8-58fc-426a-9ac5-36c1b3336536
Out of node label	f28dbeec-cbd1-40e0-9570-e19f33606834
Into node label	9dfe18c3-e557-465b-a451-22f9181aadaa
Comments	
Implicitly bi-directional	

3.5.3 NAMED Tree Diagram

3.5.4 NAMED Property keys

PROPERTY KEY	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
--------------	------	-----	-----	-------------	----------

3.5.5 NAMED JSON Schema

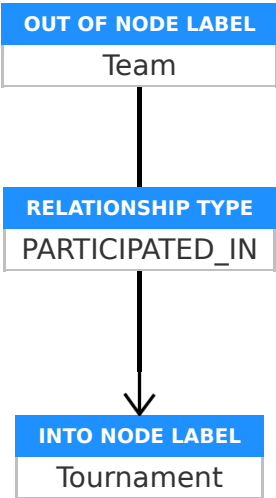
```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object"
}
```

3.5.6 NAMED JSON data

```
{}
```

3.6 Relationship Type PARTICIPATED_IN

3.6.1 PARTICIPATED_IN Diagram



3.6.2 PARTICIPATED_IN Properties

PROPERTY	VALUE
Name	PARTICIPATED_IN
Description	
Activated	true
Database	0f127ac8-58fc-426a-9ac5-36c1b3336536
Out of node label	f28dbeec-cbd1-40e0-9570-e19f33606834
Into node label	d9f5cbcc-c608-46ca-b387-356af3921af9
Comments	
Implicitly bi-directional	

3.6.3 PARTICIPATED_IN Tree Diagram

3.6.4 PARTICIPATED_IN Property keys

PROPERTY KEY	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
--------------	------	-----	-----	-------------	----------

3.6.5 PARTICIPATED_IN JSON Schema

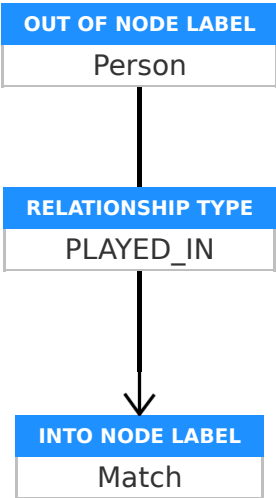
```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object"
}
```

3.6.6 PARTICIPATED_IN JSON data

```
{}
```

3.7 Relationship Type PLAYED_IN

3.7.1 PLAYED_IN Diagram



3.7.2 PLAYED_IN Properties

PROPERTY	VALUE
Name	PLAYED_IN
Description	
Activated	true
Database	0f127ac8-58fc-426a-9ac5-36c1b3336536
Out of node label	495e06ca-fd67-4eb5-b3fb-a4d9d275dff6
Into node label	c455d243-9531-4f93-ad7f-7c0083332738
Comments	
Implicitly bi-directional	

3.7.3 PLAYED_IN Tree Diagram

3.7.4 PLAYED_IN Property keys

PROPERTY KEY	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
type	string	true			
minuteOn	string	false			

3.7.4.1 Property Key type

3.7.4.1.1 type Tree Diagram

{ABC} type
string

3.7.4.1.2 type properties

PROPERTY	VALUE
Name	type
Technical name	
Activated	true
Id	
Description	
Type	string
Min length	
Max length	
Pattern	
Format	
Default	
Enum	
Dependencies	
Required constraint	true
Faker function	
Sample	Started
Comments	

3.7.4.2 Property Key minuteOn

3.7.4.2.1 minuteOn Tree Diagram

{ABC} minuteOn
string

3.7.4.2.2 minuteOn properties

PROPERTY	VALUE
Name	minuteOn
Technical name	
Activated	true
Id	
Description	
Type	string
Min length	
Max length	
Pattern	
Format	
Default	
Enum	
Dependencies	
Required constraint	false
Faker function	
Sample	74'
Comments	

3.7.5 PLAYED_IN JSON Schema

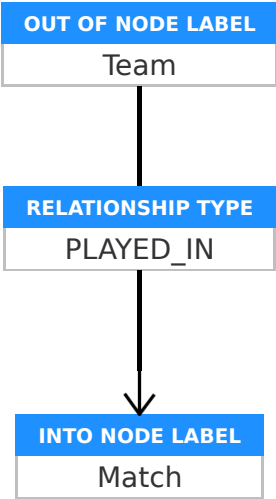
```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "properties": {
    "type": {
      "type": "string"
    },
    "minuteOn": {
      "type": "string"
    }
  },
  "required": [
    "type"
  ]
}
```

3.7.6 PLAYED_IN JSON data

```
{
  "type": "Started",
  "minuteOn": "74'"
}
```

3.8 Relationship Type PLAYED_IN

3.8.1 PLAYED_IN Diagram



3.8.2 PLAYED_IN Properties

PROPERTY	VALUE
Name	PLAYED_IN
Description	
Activated	true
Database	0f127ac8-58fc-426a-9ac5-36c1b3336536
Out of node label	f28dbeec-cbd1-40e0-9570-e19f33606834
Into node label	c455d243-9531-4f93-ad7f-7c0083332738
Comments	
Implicitly bi-directional	

3.8.3 PLAYED_IN Tree Diagram

3.8.4 PLAYED_IN Property keys

PROPERTY KEY	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
score	integer	true			
penaltyScore	integer	false			

3.8.4.1 Property Key score

3.8.4.1.1 score Tree Diagram

{123}	score
	number

3.8.4.1.2 score properties

PROPERTY	VALUE
Name	score
Technical name	
Activated	true
Id	
Description	
Type	number
Subtype	integer
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Default	
Enum	
Dependencies	
Required constraint	true
Faker function	
Sample	4
Comments	

3.8.4.2 Property Key penaltyScore

3.8.4.2.1 penaltyScore Tree Diagram

{123}	penaltyScore
	number

3.8.4.2.2 penaltyScore properties

PROPERTY	VALUE
Name	penaltyScore
Technical name	
Activated	true
Id	
Description	
Type	number
Subtype	integer
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Default	
Enum	
Dependencies	
Required constraint	false
Faker function	
Sample	1
Comments	

3.8.5 PLAYED_IN JSON Schema

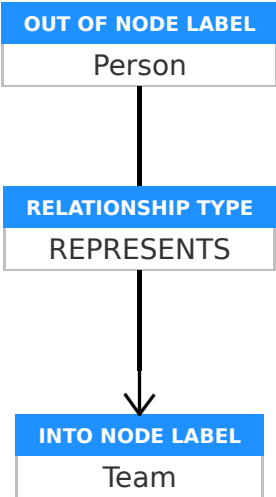
```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "properties": {
    "score": {
      "type": "number"
    },
    "penaltyScore": {
      "type": "number"
    }
  },
  "required": [
    "score"
  ]
}
```

3.8.6 PLAYED_IN JSON data

```
{
  "score": 4,
  "penaltyScore": 1
}
```

3.9 Relationship Type REPRESENTS

3.9.1 REPRESENTS Diagram



3.9.2 REPRESENTS Properties

PROPERTY	VALUE
Name	REPRESENTS
Description	
Activated	true
Database	0f127ac8-58fc-426a-9ac5-36c1b3336536
Out of node label	495e06ca-fd67-4eb5-b3fb-a4d9d275dff6
Into node label	f28dbeec-cbd1-40e0-9570-e19f33606834
Comments	
Implicitly bi-directional	

3.9.3 REPRESENTS Tree Diagram

3.9.4 REPRESENTS Property keys

PROPERTY KEY	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
--------------	------	-----	-----	-------------	----------

3.9.5 REPRESENTS JSON Schema

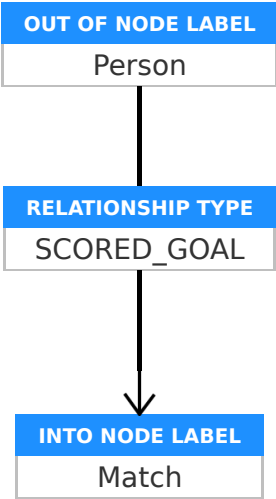
```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object"
}
```

3.9.6 REPRESENTS JSON data

```
{}
```

3.10 Relationship Type SCORED_GOAL

3.10.1 SCORED_GOAL Diagram



3.10.2 SCORED_GOAL Properties

PROPERTY	VALUE
Name	SCORED_GOAL
Description	
Activated	true
Database	0f127ac8-58fc-426a-9ac5-36c1b3336536
Out of node label	495e06ca-fd67-4eb5-b3fb-a4d9d275dff6
Into node label	c455d243-9531-4f93-ad7f-7c0083332738
Comments	
Implicitly bi-directional	

3.10.3 SCORED_GOAL Tree Diagram

3.10.4 SCORED_GOAL Property keys

PROPERTY KEY	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
minute	string	true			

3.10.4.1 Property Key minute

3.10.4.1.1 minute Tree Diagram

{ABC}	minute
	string

3.10.4.1.2 minute properties

PROPERTY	VALUE
Name	minute
Technical name	
Activated	true
Id	
Description	
Type	string
Min length	
Max length	
Pattern	
Format	
Default	
Enum	
Dependencies	
Required constraint	true
Faker function	
Sample	40'
Comments	

3.10.5 SCORED_GOAL JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "properties": {
    "minute": {
      "type": "string"
    }
  },
  "required": [
    "minute"
  ]
}
```

3.10.6 SCORED_GOAL JSON data

```
{  
  "minute": "40"  
}
```