

Cypher Query Language Sample Questions:

1. Display the movie's titles that "Kevin Bacon" acted in.

```
neo4j$ MATCH (m:Movie)←[:ACTED_IN]-(p:Person{name:"Kevin Bacon"}) RETURN m.title as Title
```

	Title
1	"Tremors"
2	"The River Wild"
3	"Cop Car"
4	"Mystic River"
5	"Balto"

Started streaming 5 records after 1 ms and completed after 25 ms.

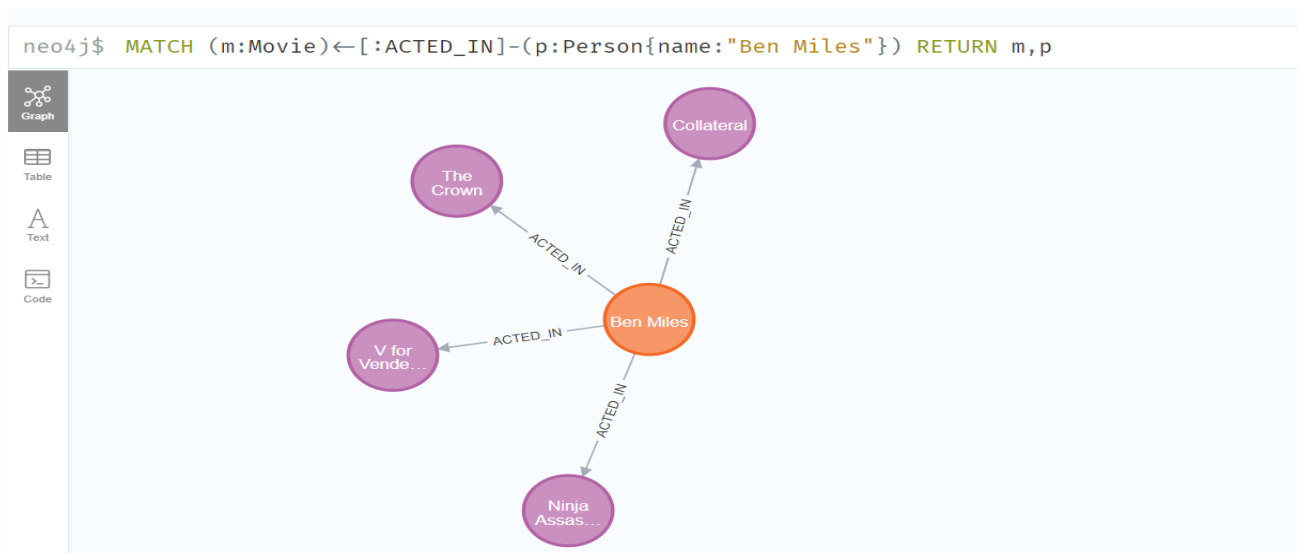
2. Display the movie's titles that "James Marshall" directed.

```
MATCH (m:Movie)←[:DIRECTED]-(p:Person{name:"James Marshall"}) RETURN m.title as Title
```

3. How many movies that "Ben Miles" acted in?

```
1 MATCH (m:Movie)←[:ACTED_IN]-(p:Person{name:"Ben Miles"})
2 RETURN Count(DISTINCT m.title) as Count, collect(DISTINCT m.title) as Movies
```

	Count	Movies
1	4	["Ninja Assassin", "Collateral", "The Crown", "V for Vendetta"]

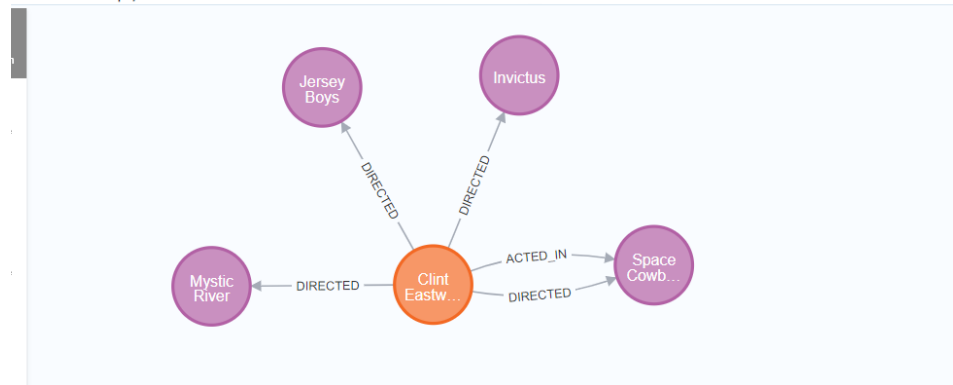


4. How many movies that “Clint Eastwood” acted in and directed?

```
1 MATCH (p:Person{name:"Clint Eastwood"})-[:ACTED_IN | DIRECTED]-(m:Movie)
2 RETURN count(distinct m.title)
```

count(distinct m.title)
4

```
MATCH (p:Person{name:"Clint Eastwood"})-[:ACTED_IN | DIRECTED]-(m:Movie)
RETURN p,m
```



Sample Query:

To get movies with person that both acted and directed in same movie

```
1 MATCH (p:Person{name:"Clint Eastwood"})-[:ACTED_IN]-(m:Movie)←[:DIRECTED]-(p)
2 RETURN count(distinct m.title), m.title
```

count(distinct m.title)	m.title
1	"Space Cowboys"

5. Show the movie's titles that “Clint Eastwood” acted in and directed.

```

1 MATCH (p:Person{name:"Clint Eastwood"})-[:ACTED_IN | DIRECTED]→(m:Movie)
2 RETURN distinct m.title

```

	m.title
1	"Space Cowboys"
2	"Invictus"
3	"Jersey Boys"
4	"Mystic River"

Started streaming 4 records after 4 ms and completed after 49 ms

6. Display the list of persons and roles who acted in movie “The Green Mile”.
NO files found with The Green Mile and Role as properties

```

1 MATCH (m:Movie{title:"The Endless"})←[r]-(p:Person)
2 RETURN p.name as Person, type(r) as Role, m.title as Title order by p.name

```

	Person	Role	Title
1	"Aaron Moorhead"	"ACTED_IN"	"The Endless"
2	"Aaron Moorhead"	"DIRECTED"	"The Endless"
3	"Callie Hernandez"	"ACTED_IN"	"The Endless"
4	"James Jordan"	"ACTED_IN"	"The Endless"
5	"Justin Benson"	"ACTED_IN"	"The Endless"
6	"Justin Benson"	"DIRECTED"	"The Endless"
7			

~~same as below

```

1 MATCH (m:Movie{title:"The Endless"})←[r]-(p:Person)
2 RETURN collect(p.name) as Persons, type(r), m.title

```

	Persons	type(r)	m.title
1	["James Jordan", "Lew Temple", "Callie Hernandez", "Justin Benson", "Tate Ellington", "Aaron Moorhead"]	"ACTED_IN"	"The Endless"
2	["Aaron Moorhead", "Justin Benson"]	"DIRECTED"	"The Endless"

7. List the title’s movies and the number of actors?

```

1 MATCH (m:Movie)←[r:ACTED_IN]-(p:Person)
2 RETURN m.title as Title , count(DISTINCT p) as Actors_Count

```

	Title	Actors_Count
1	"Norm of the North: King Sized Adventure"	10
2	"Jandino: Whatever it Takes"	1
3	"Transformers Prime"	12
4	"Transformers: Robots in Disguise"	8
5	"#realityhigh"	12
6	"Apaches"	5
7		

8. How many movies that “Ron Howard” directed?

```

1 MATCH (m:Movie)←[:DIRECTED]-(p:Person{name:"Ron Howard"})
2 RETURN Count(DISTINCT m.title) as Count, collect(DISTINCT m.title) as Movies

```

	Count	Movies
1	3	["How the Grinch Stole Christmas", "Solo: A Star Wars Story", "Solo: A Star Wars Story (Spanish Version)"]

9. Show the movie’s titles that was released in 2009.

```

1 MATCH (m:Movie{release_year:2009})
2 RETURN Distinct m.title

```

	m.title
1	"Krish Trish and Baltiboy"
2	"Bangkok Traffic (Love) Story"
3	"Phobia 2"
4	"Do Paise Ki Dhoop Chaar Aane Ki Baarish"
5	"Océans"
6	"Timeless Season"
7	

Started streaming 121 records after 1 ms and completed after 12 ms.

10. Who is a person that produced the movie "The Matrix"?

```
1 MATCH (m:Movie{title:"The Matrix"})←[:DIRECTED]-(p:Person)
2 RETURN p.name
```

	p.name
1	"Lilly Wachowski"
2	"Lana Wachowski"

If there is produced relationship, then will be like same above query

```
MATCH (m:Movie{title:"The Matrix"})<-[:Produced]-(p:Person)
RETURN p.name
```

If producers are in properties of movie

```
MATCH (m:Movie{title:"The Matrix", })
RETURN m.producers
```

11. Who is a person that acted as role "Neo" in movie "The Matrix"?

12. Who are the persons that follow "Jessica Thompson"?

13. How many the persons who follow "Angela Scope"?

14. Display the name of persons, birthyears who born before 1990.

15. List the name of persons and movie's titles who acted in the same movies that "Al Pacino" acted in.

```

1 MATCH (p:Person{name:"Al Pacino"})-[:ACTED_IN]→(m:Movie)
2 MATCH (m)←[:ACTED_IN]-(per:Person)
3 RETURN m.title as MovieTitle, Collect(per.name) as CoActor

```

	MovieTitle	CoActor
1	"The Irishman"	["Steven Van Zandt", "Harvey Keitel", "Al Pacino", "Gary Basaraba", "Robert De Niro", "Sebastian Maniscalco", "Anna Paquin", "Kathrine Narducci", "Stephen Graham", "Bobby"]
2	"The Pirates of Somalia"	["Barkhad Abdi", "Al Pacino", "Armaan Haggio", "Melanie Griffith", "Evan Peters", "Abdi Sidow Farah", "Sabrina Hassan Abdulle", "Phillip Ettinger", "Kiana Madani", "Mohamed B"]
3	"Donnie Brasco"	["Bruno Kirby", "Zach Grenier", "Johnny Depp", "Zeljko Ivanek", "James Russo", "Al Pacino", "Robert Miano", "Gerry Becker", "Michael Madsen", "Anne Heche"]
4	"Manglehorn"	["Chris Messina", "Herculano Trevino", "Harmony Korine", "Al Pacino", "Angela Woods", "Holly Hunter", "Skylar Gasper", "Brian D. Mays"]
5	"The Irishman: In Conversation"	["Joe Pesci", "Al Pacino", "Robert De Niro", "Martin Scorsese"]
6	"Righteous Kill"	["Tribby Glover", "50 Cent", "Brian Dennehy", "John Leguizamo", "Al Pacino", "Robert De Niro", "Donnie Wahlberg", "Carla Gugino"]

Started streaming 7 records after 1 ms and completed after 38 ms.

16.List the name of persons and movie’s titles who directed in the movies that “Demi Moore” acted in.

```

1 MATCH (p:Person{name:"Demi Moore"})-[:ACTED_IN]→(m:Movie)
2 MATCH (m)←[:DIRECTED]-(per:Person)
3 RETURN m.title as MovieTitle, Collect(per.name) as Director

```

	MovieTitle	Director
1	"Charlie's Angels: Full Throttle"	["McG"]
2	"Now and Then"	["Lesli Linka Glatter"]
3	"Wild Oats"	["Andy Tennant"]
4	"Beavis and Butt-head Do America"	["Mike Judge"]

Started streaming 4 records in less than 1 ms and completed after 29 ms.

17.List the movie’s titles and released years that released before 1998.

```

1 MATCH (m:Movie)
2 WHERE m.release_year<1998
3 RETURN m.title, m.release_year

```

	m.title	m.release_year
1	"The Bund"	1983
2	"Five Elements Ninjas"	1982
3	"Dante's Peak"	1997
4	"Stripes"	1981
5	"The Saint"	1997
6	"Solo Con Tu Pareja"	1991
7		

Started streaming 332 records in less than 1 ms and completed after 4 ms.

18. List the roles that “Tom Hanks” acted in the movies “The Polar Express”?

19. List the name of actors who acted more than two roles in the movie.

20. Who are the persons directed and acted in the same movie?

```
MATCH (p:Person)-[:ACTED_IN]→(m:Movie)←[:DIRECTED]-(p)
RETURN m.title, collect(distinct p.name)
```

	m.title	collect(distinct p.name)
1	"Love"	["Gaspar Noé"]
2	"Manhattan Romance"	["Tom O'Brien"]
3	"Hard Tide"	["Nathanael Wiseman"]
4	"Act of Vengeance"	["Mahsun Kirmizigül"]
5	"Single"	["Raditya Dika"]
6	"Deliha 2"	["Gupse Özay"]