# Copilot

Sure! Here are some sample data entries to populate each of the databases:

### 1. Library Database

#### People

CREATE (:Person {name: "Alice"});

CREATE (:Person {name: "Bob"});

CREATE (:Person {name: "Mr. Joshi"});

#### Books

CREATE (:Book {title: "The Great Gatsby"});

CREATE (:Book {title: "1984"});

CREATE (:Book {title: "To Kill a Mockingbird"});

#### Publishers

CREATE (:Publisher {name: "Penguin Books", city: "Pune"});

CREATE (:Publisher {name: "HarperCollins", city: "Mumbai"});

#### Relationships

MATCH (a:Person {name: "Alice"}), (b:Book {title: "1984"})

CREATE (a)-[:ISSUED]->(b);

MATCH (b:Person {name: "Bob"}), (b2:Book {title: "The Great Gatsby"})

CREATE (b)-[:ISSUED]->(b2);

MATCH (j:Person {name: "Mr. Joshi"}), (b3:Book {title: "To Kill a Mockingbird"})

CREATE (j)-[:ISSUED]->(b3);

### 2. Song Database

#### Songs

CREATE (:Song {title: "Imagine"});

CREATE (:Song {title: "Hey Jude"});

CREATE (:Song {title: "Bohemian Rhapsody"});

#### Authors

CREATE (:Author {name: "John Lennon"});

CREATE (:Author {name: "Paul McCartney"});

CREATE (:Author {name: "Freddie Mercury"});

#### Record Companies

CREATE (:RecordCompany {name: "Apple Records"});

CREATE (:RecordCompany {name: "EMI"});

#### Artists

CREATE (:Artist {name: "John Lennon"});

CREATE (:Artist {name: "Paul McCartney"});

CREATE (:Artist {name: "Freddie Mercury"});

#### Studios

CREATE (:Studio {name: "Abbey Road Studios"});

CREATE (:Studio {name: "Trident Studios"});

#### Relationships

MATCH (s:Song {title: "Imagine"}), (a:Author {name: "John Lennon"})

CREATE (s)-[:WRITTEN\_BY]->(a);

MATCH (s:Song {title: "Hey Jude"}), (rc:RecordCompany {name: "Apple Records"})

CREATE (s)-[:FINANCED\_BY]->(rc);

MATCH (s:Song {title: "Bohemian Rhapsody"}), (a:Artist {name: "Freddie Mercury"})

CREATE (s)-[:PERFORMED\_BY]->(a);

MATCH (s:Song {title: "Imagine"}), (studio:Studio {name: "Abbey Road Studios"})

CREATE (s)-[:RECORDED\_AT]->(studio);

### 3. Employee Database

#### Employees

CREATE (:Employee {name: "John Doe"});

CREATE (:Employee {name: "Jane Smith"});

CREATE (:Employee {name: "Robert Brown"});

#### Departments

CREATE (:Department {name: "HR"});

CREATE (:Department {name: "Engineering"});

CREATE (:Department {name: "Marketing"});

#### Projects

CREATE (:Project {name: "Project Alpha"});

CREATE (:Project {name: "Project Beta"});

#### Skills

CREATE (:Skill {name: "Java"});

CREATE (:Skill {name: "Scala"});

CREATE (:Skill {name: "Project Management"});

#### Relationships

MATCH (e:Employee {name: "John Doe"}), (d:Department {name: "Engineering"})

CREATE (e)-[:WORKS\_IN]->(d);

MATCH (p:Project {name: "Project Alpha"}), (d:Department {name: "Engineering"})

CREATE (p)-[:CONTROLLED\_BY]->(d);

MATCH (e:Employee {name: "Jane Smith"}), (s:Skill {name: "Java"})

CREATE (e)-[:HAS\_SKILL]->(s);

### 4. Movie Database

#### Actors

CREATE (:Actor {name: "Leonardo DiCaprio"});

CREATE (:Actor {name: "Kate Winslet"});

CREATE (:Actor {name: "Brad Pitt"});

#### Movies

CREATE (:Movie {title: "Inception", year: 2010});

CREATE (:Movie {title: "Titanic", year: 1997});

CREATE (:Movie {title: "Fight Club", year: 1999});

#### Producers

CREATE (:Producer {name: "Christopher Nolan"});

CREATE (:Producer {name: "James Cameron"});

#### Reviewers

CREATE (:Reviewer {name: "Reviewer1"});

CREATE (:Reviewer {name: "Reviewer2"});

#### Relationships

MATCH (a:Actor {name: "Leonardo DiCaprio"}), (m:Movie {title: "Inception"})

CREATE (a)-[:ACTED\_IN]->(m);

MATCH (r1:Reviewer {name: "Reviewer1"}), (r2:Reviewer {name: "Reviewer2"})

CREATE (r1)-[:FOLLOWS]->(r2);

MATCH (r1:Reviewer {name: "Reviewer1"}), (m:Movie {title: "Inception"})

CREATE (r1)-[:REVIEWED]->(m);

MATCH (r2:Reviewer {name: "Reviewer2"}), (m:Movie {title: "Inception"})

CREATE (r2)-[:REVIEWED]->(m);

### 5. Social Network Database

#### People

CREATE (:Person {name: "John", birthYear: 1990});

CREATE (:Person {name: "Alice", birthYear: 1990});

CREATE (:Person {name: "Bob", birthYear: 1989});

#### Affiliations

CREATE (:Affiliation {name: "Company A"});

CREATE (:Affiliation {name: "Company B"});

#### Messages

CREATE (:Message {content: "Hello World!", year: 2015});

CREATE (:Message {content: "Happy New Year!", year: 2015});

#### Relationships

MATCH (john:Person {name: "John"}), (alice:Person {name: "Alice"})

CREATE (john)-[:KNOWS {since: 2010}]->(alice);

MATCH (john:Person {name: "John"}), (aff:Affiliation {name: "Company A"})

CREATE (john)-[:AFFILIATED\_WITH]->(aff);

MATCH (john:Person {name: "John"}), (msg:Message {content: "Hello World!"})

CREATE (john)-[:POSTED]->(msg);

This should give you a good starting point to populate your Neo4j databases. Let me know if you need any more help!