

# Graph Database

## → Introduction

- ① Knowledge Graphs
- ② Neo4j Graph Database → Cypher Queries
- ③ RAG Application with Graph Database

## → Knowledge Graph

↳ Semantic Networks

↳ Network of Real World Entities

### For Example

Events, Situation, Concepts → Illustrate the relationship between them

## > Main Components

### ① Nodes

↳ Any object, place or person can be a node

### ② Edges

↳ defines the relationship between the nodes

### ③ Labels

↳ type of entity or relation

### Example

1- Pat Cummins is the captain of Australia Cricket Team.

2- Steve Smith is the player of Australia cricket team

