

#### What is Core Data?

- Core Data is a Framework by Apple that acts as a bridge between your app and SQLite and other storage environment.
- Just like SQL, you can have tables, relationships and queries.
- It has advantages over SQLite that you do not need to know SQL syntax and you can represent objects and classes unlike relational database.

# Important Terms

- Managed Object Model
  - A tool that allows you to model classes (entities), relationships, and queries. It is also used by core data frame work
- Managed Objects are
  - Refers to the objects that are created in your app. These are your data classes like contacts, contacts....
  - Each Managed object represents a row in your table (entity)

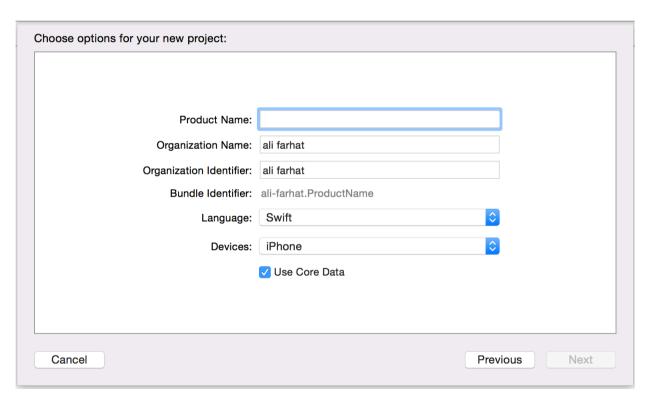
# Important Terms

- Managed Object Context
  - Important object since it manages all relationships between context objects that are defined in the Model
  - It also keeps track of the status of the context objects
  - All interactions with the underlying database are done through the context

- Persistent Object Store
  - Refers to data storage environment on the device

# Steps to use Core Data

 Create an app and make sure check to the core data checkmark



# Steps to use Core Data

- Understand your business
- Understand your data
- Model your data by creating all the entities and any relationships

### Steps to use Core Data

- o In your code
  - Obtain the managed object context from the app delegate
  - Get the description of your entities
  - Change attributes values of your entities
  - Run commands using the context object to save or fetch records.

Lets Look at an example

https://github.com/redsea1113/Core-Data-Startup