**Student Name:** Jason Jun

**Student Number:** 126683200

**Student Email:** [jjun10@myseneca.ca](mailto:jjun10@myseneca.ca)

Reflections

1. **Explain the purpose of a managed object context in CoreData and describe its** **relationship to managed objects and persistent stores.**

The purpose of a *managed object context* (*MOC*) in CoreData is to manage a collection of managed objects. For example, MOC is responsible of fetching objects from the persistent store, inserting, updating, and deleting objects. The managed objects are instances of *NSManagedObject* or a *subclass of NSManagedObject*.

Its relationships with managed objects and persistent store are the managed objects is within the MOC and act as a memory representation of the data. Hence, when changes are made, they are made within the context of the MOC.

2. **You are building an app that tracks a user's expenses. You have a CoreData entity named Expense with attributes amount, category, and date. Write a fetch request with a predicate string that fetches all expenses where the amount is greater than 100 and the category is either "Food" or "Travel".**

let fetchRequest: NSFetchRequest<Expense> = Expense.fetchRequest()

fetchRequest.predicate = NSPredicate(format: "amount > 100 AND (category == %@ OR category == %@)", argumentArray: ["Food", "Travel"])