### **Assignment** **7- Collection in Swift**

**Lab Assignment: Working with Dictionary Collections in Swift**

This lab assignment will guide you through creating and manipulating dictionaries in Swift. Follow the steps below to complete the assignment.

**Objectives:**

* Understand basic dictionary syntax and usage.
* Create and initialize dictionaries.
* Perform common operations on dictionaries.
* Iterate over dictionaries.

**Instructions:**

**Step 1: Basic Dictionary Syntax and Usage**

* Define a simple dictionary that maps country names to their capitals.

**Step 2: Creating and Initializing Dictionaries**

* Create an empty dictionary and then add key-value pairs to it.

**Step 3: Performing Common Operations on Dictionaries**

* Demonstrate how to update, remove, and check for the existence of elements in a dictionary.

**Step 4: Iterating Over Dictionaries**

* Show how to iterate over keys, values, and key-value pairs in a dictionary.