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**De La Salle University • College of Computer Studies**

**Control Structures**

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1.

C++

C#

Python

Javascript – Arrays and Objects

Scala – Lists, Sets, Maps, Tuples, Options, and Iterators

2.

3.

4.

5. Lists are simple collections of data where the order may or may not matter. Sets are unordered collections where no duplicates are allowed. Tuples are ordered collections. Dictionaries map a set of keys to a set of values.

6. The Option is a collection in Scala that only contains zero or one elements. It could represent an actual value or a None value.

7. An Iterator is a design pattern that abstracts moving through a list of objects.

C++

C#

Python

Javascript

Scala

8.

9.

10.