- Reference types natively available to Solidity:

- Fixed-size byte arrays (Technically a value type)
 - bytes (alias for bytes1), bytes2, bytes3,...bytes32

- Arrays

- Statically sized arrays

- Dynamically sized arrays

- Array Members

- length:
 - Used to hold the number of elements in the array
 - Dynamic arrays can be resized using this member
- push:
 - Elements can be appended to an array using this member

- Structs

- Solidity provides a way to create new types

- A collection of variables organized into a container

- Mappings

- Can be seen as hash tables which are virtually initialized such that every possible key exists, and is mapped to a value whose byte-representation is all zeroes

- Mappings do not have a concept of length

- Mappings can be used for state variables only, except as storage reference types in internal functions

- Mappings can be marked as public, and a getter function will be created to query the keys

- The value of a mapping can be a mapping. This is called a nested mapping, and the getter will have one parameter for each key