Complex Vorta Types

-Arrays in Swift work the same way You would expect them to in other programming languages.

- Sets are collections of objects that work similarly to how arrays do, save for two key differences:

· Objects are not ordered

· no tupicate objects allowed, tupicate etries to be ignored.

- I can fee feth being more useful for tefining the parameters of a fataset as opposed to storing actual fata.

- Tuple's allow you to store multiple Valves attached to a single variable, similar to an object. Valves are ordered, and you may also attach identifiers to the Valves.

- · Var name = (first: "Taylor", last: "swift")
- · name. 0 //Taylor

· name . first // also Taylor

- The Jata +ypes of each var are <u>set</u> after the tuple has been created.
- Dictionaries are collections of Valves,

Gimilar to arrays, but valves may be accessed via any itentifier necessary.

• let ages = [harrison = 21 "liam = 20 "jess" = 20

]

- These identifiers are called (Lexs, and may be used to retrieve data.
- You can 4et a tefault value to be returned when a dictionary address to es not exist:
 - · tictionary [tefault: Value"]
- You can set an empty complex tata type by setting it equal to the preferred tata type in brackets followed by empty poventhesis.
 - · Var teams = [String: String] ()
 - · teams ["Pavi"] = "Red"
 - · Var Scores = Dictionary (String, Int) ()
 - · Var results = Array < In+>()
- Enumeration can be used to Jefine a variable with a scient number of unique states:
 - enum number {
 Case positive

cure zero Case negative

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