**Difference between tuple and Dictionary**

* A tuple is completely predefined: it can only have the names and number of values you've predefined for it, though they can be **different** value types, and they don't have to have names. And the names are literals.
* A dictionary can have any number of key-value pairs, of **one** value type. And the keys can be referred to through variables.
* **A dictionary is made up of key-value sets. A tuple is made for passing grouped values.**
* Dictionary is Collection Type, Tuple is Compound type.
* Dictionary is Key Value type, Tuple is Comma separated list of multiple types
* You can name the elements in tuples:

var n = (foo: 1, bar: 2)

* Then you can use those names:

n.foo + n.bar // equals 3

* This doesn’t remove the ability to access them by position though:

n.0 + n.1 // equals 3

* But these names, once set, are fixed at compile time just like the length:

n.blarg // will fail to compile

* This is not the same as dictionaries, which (like arrays), can grow or shrink:

var d = [“foo”:1, “bar”:2]

d[“baz”] = 3;

d[“blarg”] // returns nil at runtime, there’s no such element