# Swift Tuple

In Swift, a tuple is a lightweight group of multiple values. It can hold a combination of different types, making it a convenient way to return multiple values from a function, group related data, or pass a collection of values together. Here's a basic overview of how to use tuples in Swift:

**Creating a Tuple**:
Tuples can be created by enclosing values in parentheses, separated by commas.

```
let person = ("John", 25)
```

**Accessing Tuple Elements**:
You can access the elements of a tuple using dot notation with index numbers (starting from 0).

```
let name = person.0 // "John"
let age = person.1  // 25
```

**Named Elements**:
Elements of a tuple can be named for better readability.

```
let person = (name: "John", age: 25)
let name = person.name // "John"
let age = person.age   // 25
```

**Decomposing Tuples**:
Tuples can be decomposed into individual constants or variables.

```
let (name, age) = person
print(name) // "John"
print(age)  // 25
```