Type Aliases !

Most problem domains need specific data types

- A data type communicates a value's attributes and capabilities
 - eg: if you have a value of type int, you know you can do arithmetic with it
 - So far, you've used built-in data types
- Your programs will need to model more specific and complex concepts

• Type Aliases allow us to assign a more meaningful name to a data type

• Composite Data Types allow us to combine many values into a single type

Type Aliases

An alias allows you to use a contextually meaningful name for broader type. Ex:

```
Percent = float
cointoss_odds: Percent = 0.5
```

- The above example establish Percent as a type alias of float
 - Notice you can declare a variable whose type is Percent (actually: float)
 - You can also declare parameters and return types as Percent!
 - You've "invented" a "new" type!
- When in doubt, *do not* alias simple primitive types: int, float, bool, str
 - This technique is most useful for more complex types such as Tuple[float, float, float]
- Custom type names are identifiers that begin new words with CapitalLetters
 - This is called CamelCasing