Working with Structs

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Basic types

bools, strings, ints, floats...

Reference types

slices, maps, functions...

Still need specialized types

Agenda

What is a struct

Object-oriented programming (OOP) in Go

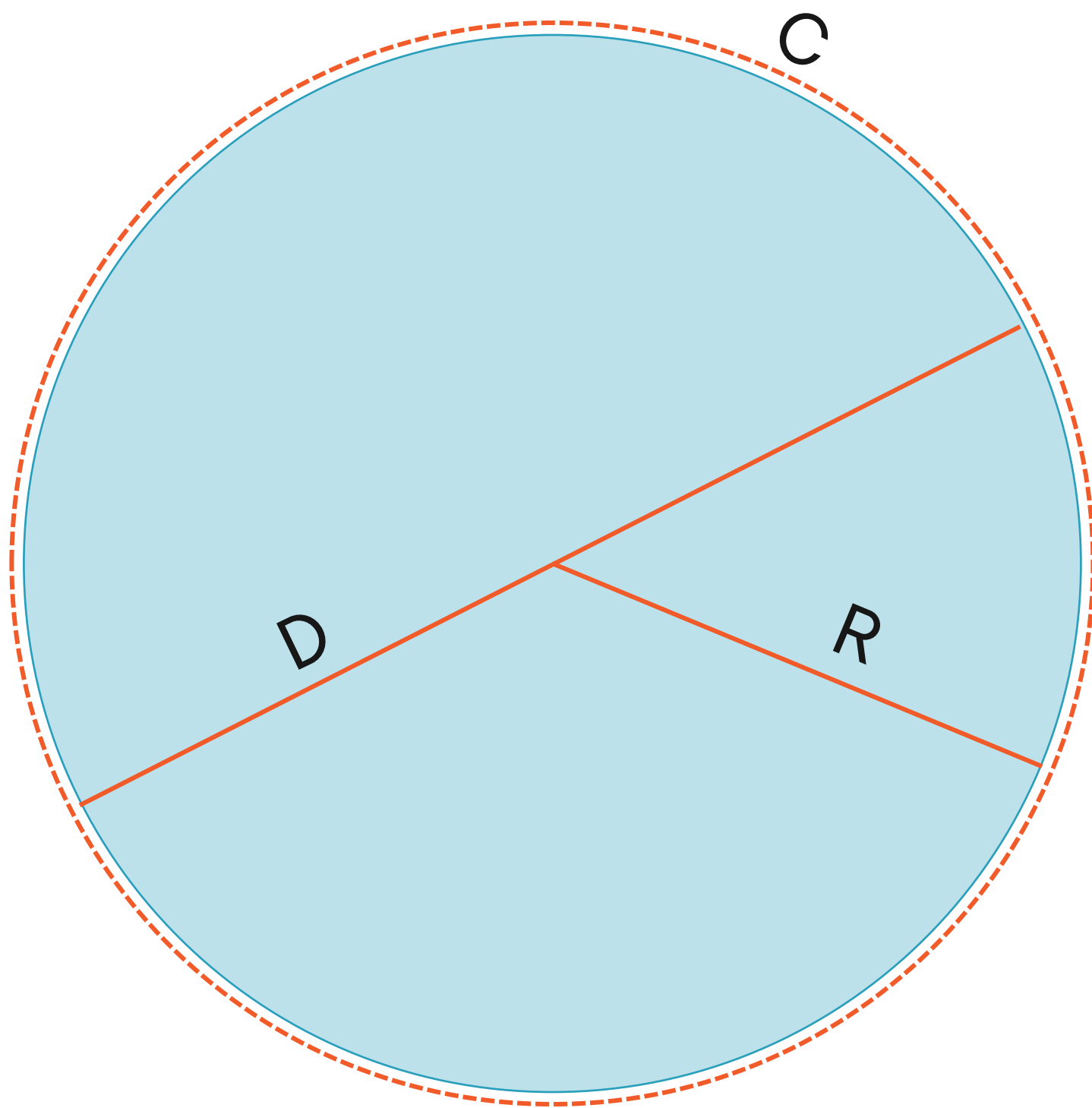Defining structs

Working with structs

Recap

What is a Struct

```go
type circle struct {
    r float64
    d float64
    c float64
}
```

```go
type person struct {

}
```

```
type person struct {
    name string

    age int

    pronouns string

    eyeColor string

    hairColor string
}
```

Object-oriented Programming and Go

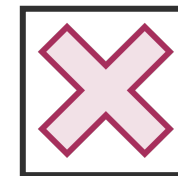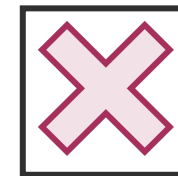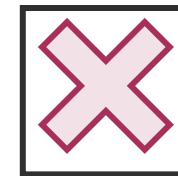|	Typical OO languages	Go
Objects	✅	❌
Classes	✅	❌
Inheritance	✅	❌

Recap

```go
type myType struct {

}
```

```go
type myType struct {
  fieldA string

  fieldB int

  fieldC float64
}
```

```go
type courseMeta struct {
  author string
  level string
  rating float64
}
```

```go
type courseMeta struct {
  author string
  level string
  rating float64
}
gettingStartedWithK8s := courseMeta{
author: "Nigel Poulton",
level: "Intermediate",
rating: 4.8,
}
gettingStartedWithK8s.rating = 5.0
```

Up Next:
Concurrency in Go