ÖGOR Summer-Workshop
for PhD-candidates and Post-Docs

An introduction to Julia and JuMP for Operations Research

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Session 11

Data structure
Composite structures

Composite structures (1/4)

Defining a structure:

```
mutable struct Mystructure
    var₁
    var₂::type          # var₂ must be of type type
end
```

```
julia> mutable struct MyOwnStruc
           x
           y::Float64
       end
```

if the `mutable` keyword is omitted
⇒ object is not mutable i.e. its fields can no be changed

Composite structures (1/4)

Constructing an object by initialising it:

```julia
julia> myObject = MyOwnStruc("something", 3.1415)
```

Accessing to the field of an object:

```julia
julia> field1 = myObject.x          # "something"
```

Not more on this topic for this course

but

many many things to say on the topic

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