

# Interfaces

- an **interface** is a reference type in Java, stored in a .java file and can be seen as a set of only **abstract** methods
- thus, you cannot instantiate an interface and an interface does not contain any constructors
- when a class **implements** an **interface** it inherits all the (implicitly abstract) methods of the interface
- an interface may also contain constants, default and static methods, and nested types; implementations may exist only for static and default methods (more on this later)
- an interface **describes behaviours** that a class implements
- any class can implement multiple interfaces and an interface itself can extend multiple interfaces

# Interface Example

