

Advantages of Interface

OOP Definition -An interface is a description of actions that object can do, it is a way to enforce actions on object that implements the interface

Java Definition - An interface is a reference type, which contains collections of abstract method. Class that implements the interface, must implement all methods from this interface, or it needs to declare methods as abstract if object does not know how to implement specified method. Java Interface may contain also:

- ▶ Constants
- ▶ Default Methods (Java 8)
- ▶ Static methods
- ▶ Nested types

Advantages of using interfaces in Java:

- ▶ Allows decoupling between contract and its implementation
- ▶ Allows declaring contract between callee and caller
- ▶ Increases interchangeability
- ▶ Increases testability

Advantages of using interfaces in Spring:

- ▶ Allows for use of JDK Dynamic Proxy
- ▶ Allows implementation hiding
- ▶ Allows to easily switch beans

