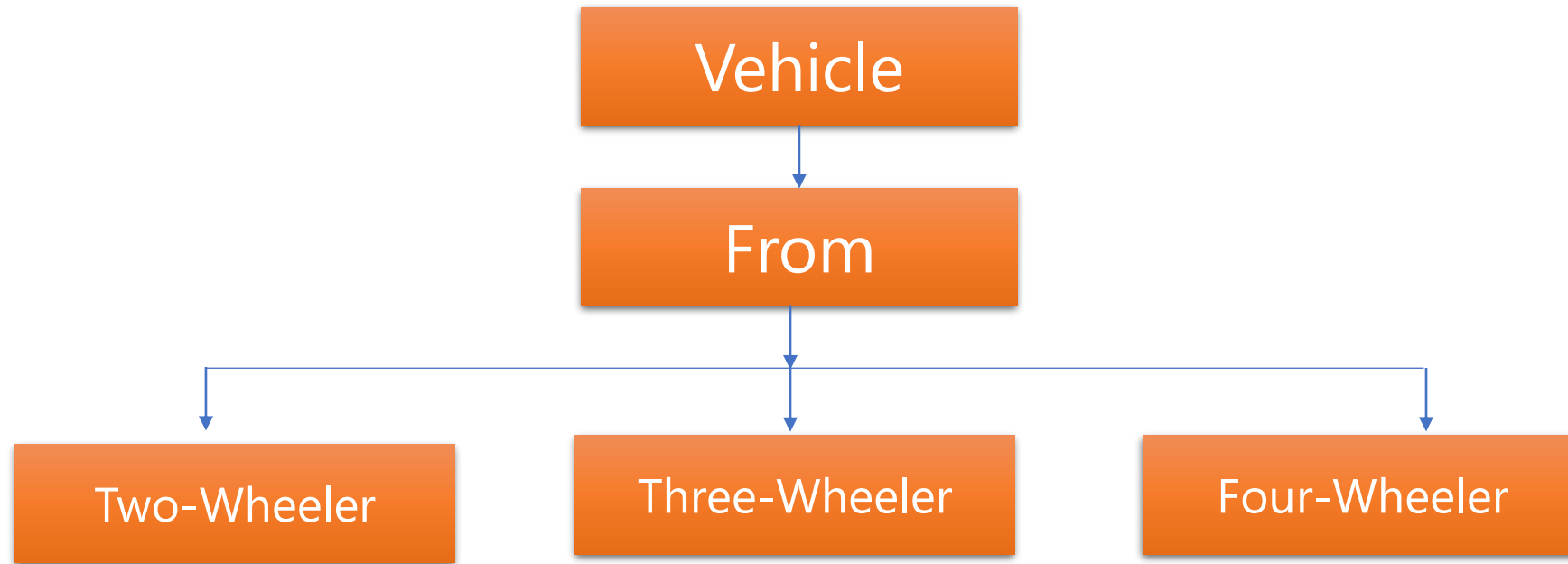




Polymorphism in C#

What is Polymorphism in C#?

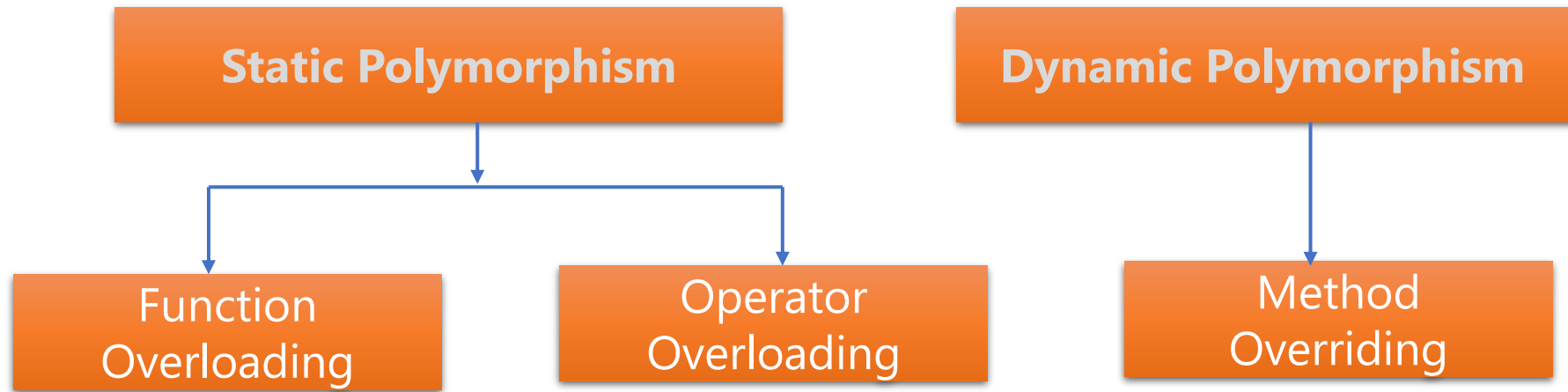
The word polymorphism is derived from the Greek word, where Poly means many and morph means faces/ behaviors. So, the word polymorphism means the ability to take more than one form. Please have a look at the following diagram. As shown in the below diagram, the vehicle is something that has various forms; two-wheeler, three-wheeler, and four-wheeler, and so on. So this is one example of polymorphism.



Types of Polymorphism in C#

**Static Polymorphism / Compile-Time
Polymorphism / Early Binding**

**Dynamic Polymorphism / Run-Time
Polymorphism / Late Binding**



What is Method Overloading or Function Overloading in C#?

Method Overloading in C# allows a class to have multiple methods with the same name but with a different signature. The functions or methods can be overloaded based on the number, type (int, float, etc), order, and kind (Value, Ref or Out) of parameters



- 1- Method name is same
- 2- Number, Type and Order of parameters is different