

# Class methods and Properties with initial value



J5



#### List of concepts:

- 1. Class Method
- 2. Static Methods
- 3. Properties



#### What are class methods

- In JavaScript, class methods are functions that belong to a class and can be called on instances of that class. They are defined within a class using the "method" syntax.
- Methods are defined on the prototype of each class instance and are shared by all instances.
- We always add a constructor() method before adding any number of methods.

#### Syntax:

```
class ClassName {
   constructor() { ... }
   method1() { ... }
   method2() { ... }
.
method() {....}
}
```



## Example



#### Static methods

- Static class methods are defined on the class itself.
  - They can be called without creating an instance of the class and are typically used to implement utility functions that operate on class-level data.
- You cannot call a static method on an object but only on an object class.
- Static methods are often utility functions, such as functions to create or clone objects.



## Example



#