

Java Method

Java Method

- ❖ Can see as a function
 - ❖ You give input, the function gives output
 - ❖ stateless: the same input always gives same output
- ❖ Java Method is re-useable
- ❖ Can be assign to a Java variable
- ❖ If the method returns a value, it can be directly called in `System.out.print`
- ❖ Method can call other method

Format

```
[Modifier] [static/non static] [return type] [method name] ([parameter1], [parameter2] ...) {  
    // Method body  
    return [return value]  
}
```

Java Method Rule

- ❖ Naming convention follows Java variable, you can connect words with `_` and `$`, you can include numbers in the name, but the method name has to start with a letter
- ❖ Method has to have a return type.
- ❖ The final return type needs to match the define return type
- ❖ Method body needs to be wrapped by `{}`
- ❖ Method itself will execute, method needs to be called or in official term “invoked”

Java Method Parameter Rule

- ❖ Technically, you can have unlimited method parameter
- ❖ Parameter declare follows normal Java variable rules
- ❖ Parameter can directly be used in the method body
- ❖ Method can have zero parameter

A void method

- ❖ If there is nothing to return in the method. Define void
- ❖ Java main method is a void method