CHEATSHEET - Functons and Methods in C#

FUNCTIONS AND METHODS IN C#

return-type   method-name   parameter-list

tutorials.EU

modifier ←

```
public int max (int x, int y)
{
    if (x>y)
        return x;
    else
        return y;
}
```
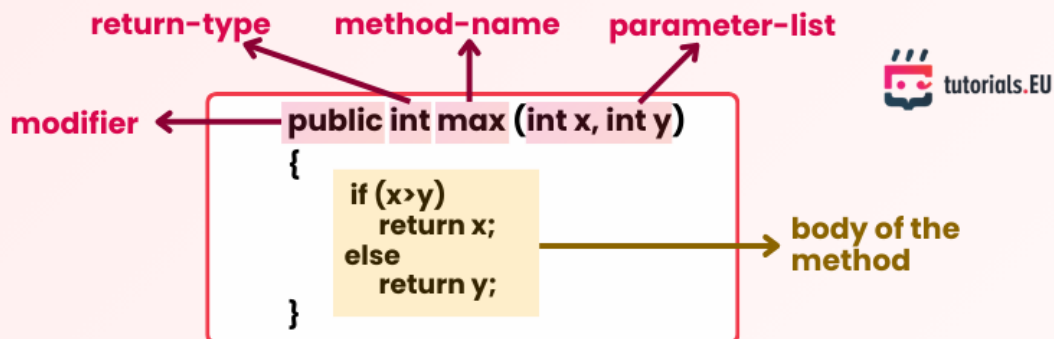
→ body of the method

Component	Description	Example
Modifier	Specifies the visibility and behavior attributes of the method.	public, private, protected, internal
Return Type	Indicates the type of value the method will return. Can be a data type or void if nothing is returned.	int, string, bool, void
Method Name	The name of the method, which is used to call it. Should be descriptive and follow naming conventions.	max, CalculateArea, GetDetails
Parameter List	Lists the variables passed to the method. Specified with type followed by name. Can be empty.	(int x, int y), (), (string name)
Method Body	Contains the executable code, including logic, conditionals, loops, and return statement.	{ if (x > y) return x; else return y; }

Modifiers Explained Further

Modifier: Determines the accessibility of the method to other parts of the program or other programs. Common modifiers include:

Accessible from any other part of the program or other programs.
Public

Private
Accessible only within the same class.

Accessible within the same class and by derived classes.
Protected

Internal
Accessible within the same assembly but not from another assembly.