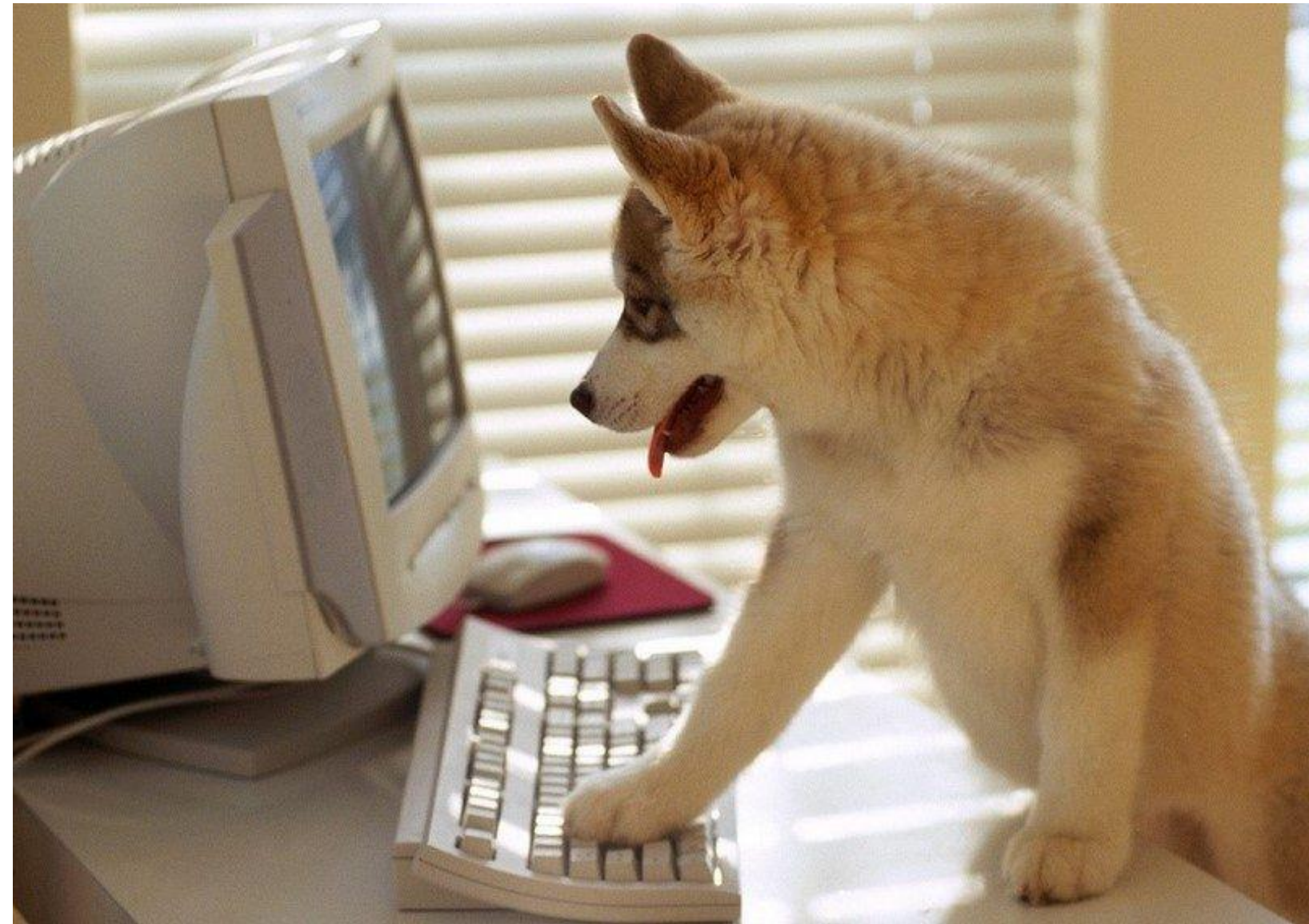


Java Programming



Organizational Stuff

Important Links

- Git commands:
<https://github.com/javaprogrammingbuw/structures/wiki/Git-commands>
- How to compile Java Code:
<https://github.com/javaprogrammingbuw/structures/wiki/How-To-Compile>

Organizational Stuff

23.09.: No Students :(

24.09.: Structures

25.09.: Methods

26.09.: Recursion

27.09.: Arrays & Strings

30.09.: OOP

01.10.: Generics & Linked Lists

02.10.: Exceptions & Testing

03.10.: Holiday

04.10.: GUI

Methods

Syntax:

```
public static <RETURN TYPE> <NAME> (<PARAMETER1 optional>,  
<PARAMETER2 optional>, ...) {  
    <STATEMENT1>;  
    <STATEMENT2>;  
    ...  
    return ... (unless void);  
}
```

Methods

Simple Example:

```
public static void hello() {  
    System.out.println("Hello World!");  
}
```

Methods

Another Example:

```
public static int sum(int a, int b) {  
    return a+b;  
}
```

Methods

Main-Method:

```
public static void main(String[] args) {  
    // ...  
}
```

Methods

Where to place your Method?

```
public class Example{  
  
    //Within those brackets  
  
}
```

But: Never create a method in another one!

Methods

How to call your Method?

```
public class Example{

    public static void main(String[] args){
        hello();
        System.out.println(sum(2,3));
    }

    public static void hello(){
        System.out.println("Hello World!");
    }

    public static int sum(int a, int b){
        return a+b;
    }

}
```

Methods

Today's Assignment:

<https://classroom.github.com/a/Nc5dQ0rQ>

