Java function

Hello!

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Java Methods

- A method is a block of code which only runs when it is called.
- You can pass data, known as parameters, into a method.
- Methods are used to perform certain actions, and they are also known as functions.
- Why use methods? To reuse code: define the code once, and use it many times.

Parameters and Arguments

```
static void myMethod(String fname) {
  System.out.println(fname + " Refsnes");
}

public static void main(String[] args) {
  myMethod("Liam");
  myMethod("Jenny");
  myMethod("Anja");
}
```

- When a parameter is passed to the method, it is called an argument. So, from the example above: fname is a **parameter**, while Liam, Jenny and Anja are **arguments**.

Anylogic

Software Presentation

- Function
- Just actions
- Returns values
- events

Sample

- Calculate factorial
- Calculate

$$\binom{n}{k} = \frac{n!}{k! \times (n-k)!}$$

Thanks!

Any questions?

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