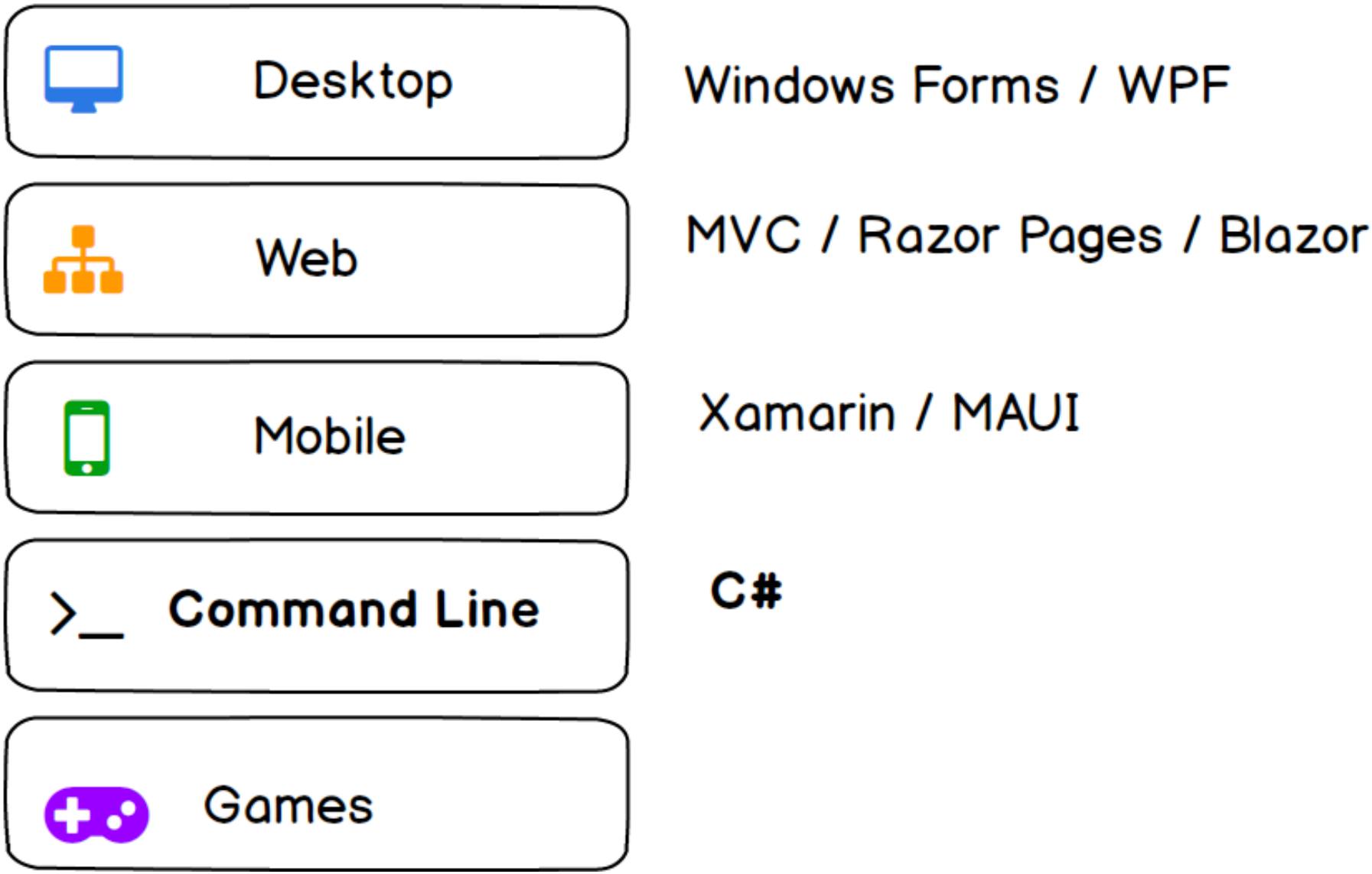
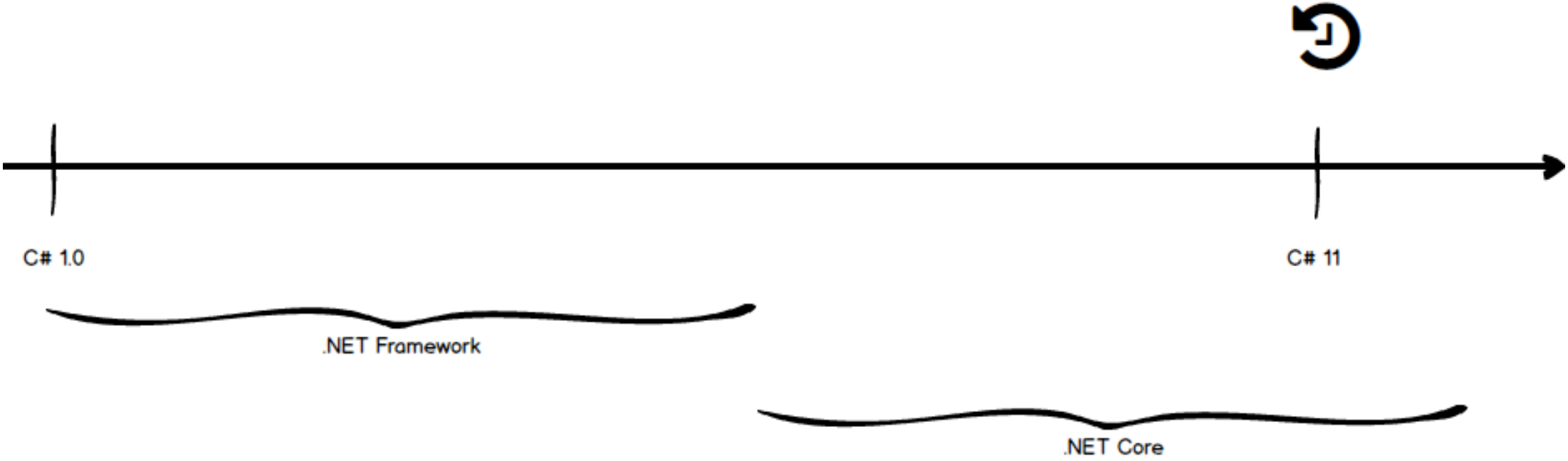
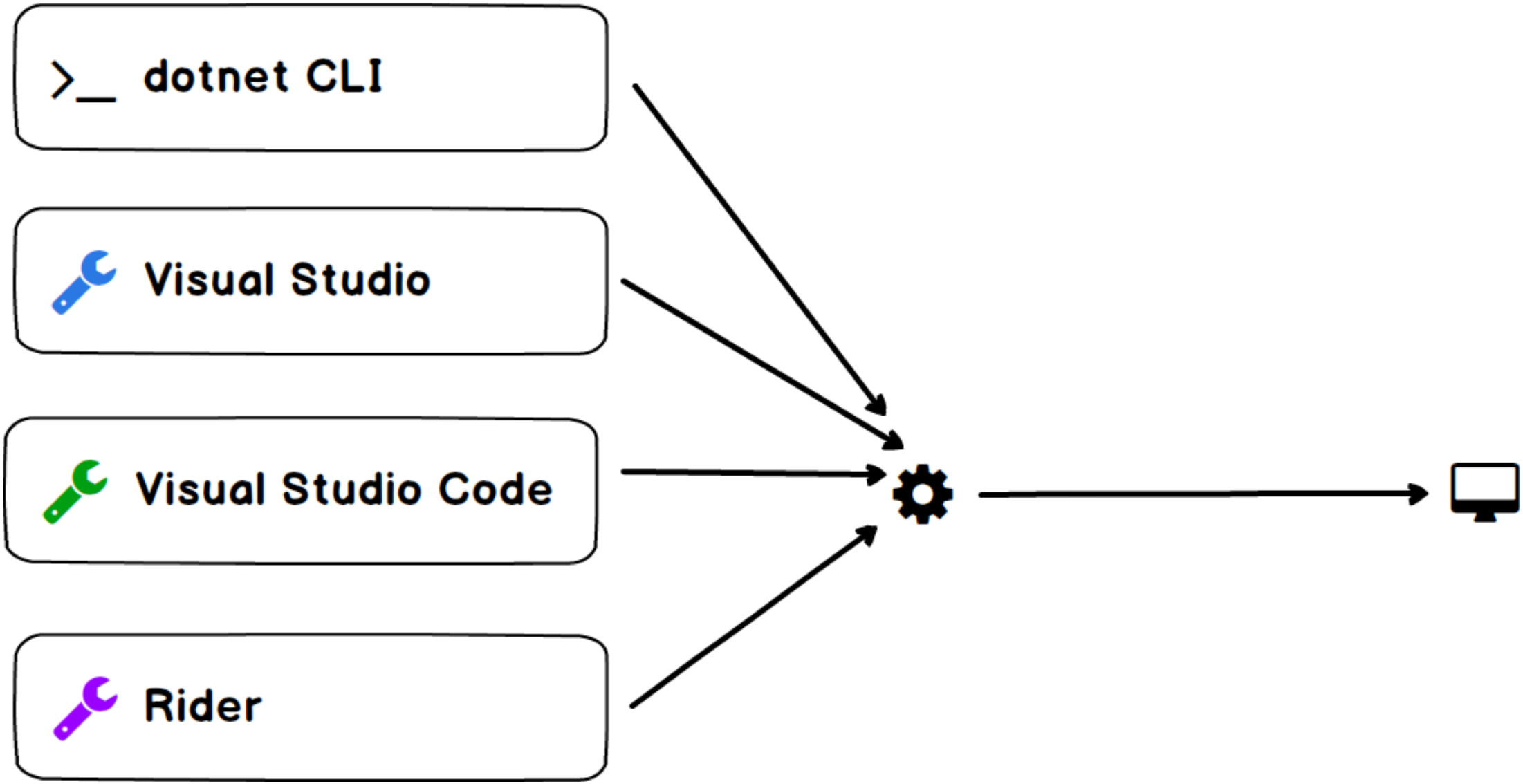
Język C#

Co mogę w nim zrobić?

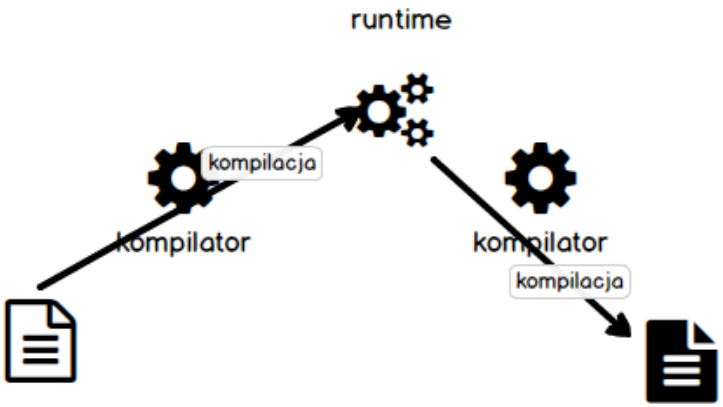



C# 1.0
C# 11
.NET Framework
.NET Core


>_ dotnet CLI
Visual Studio
Visual Studio Code
Rider

C++ / Pascal

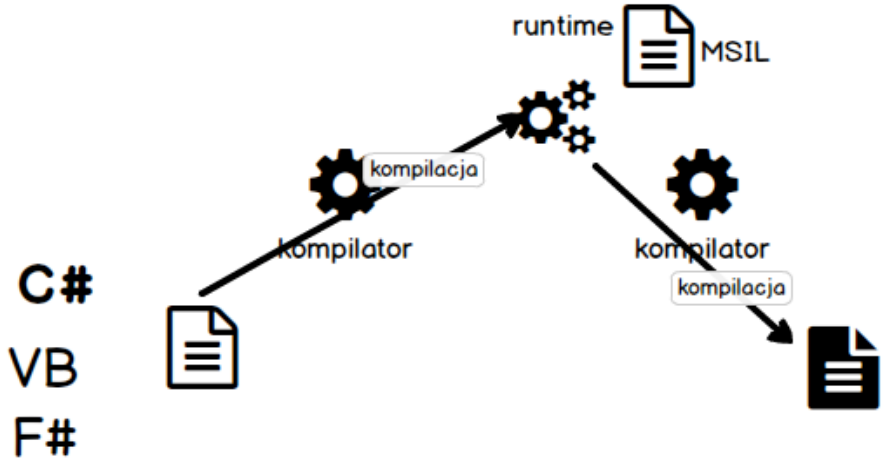
Java



C#

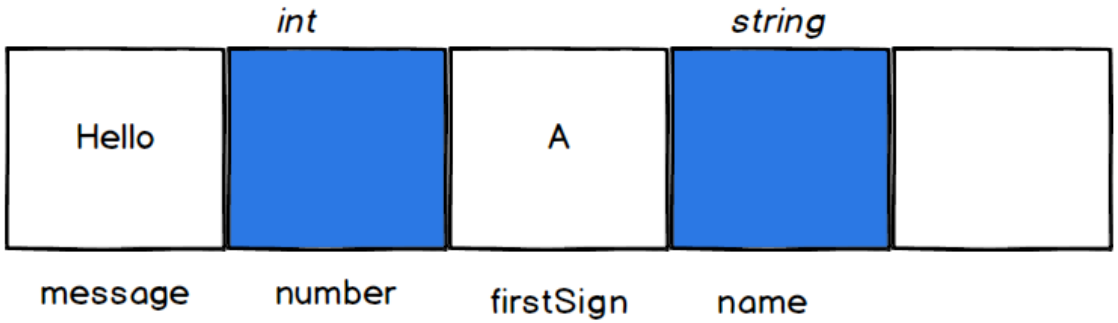
VB

F#



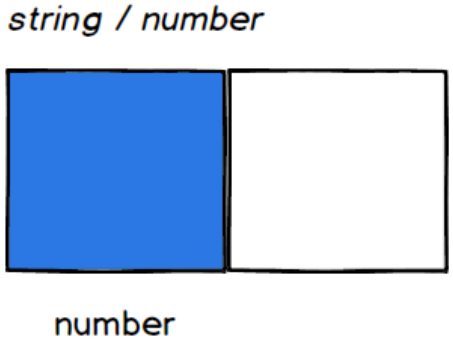
.NET Framework / .NET Core

static typing (C#)



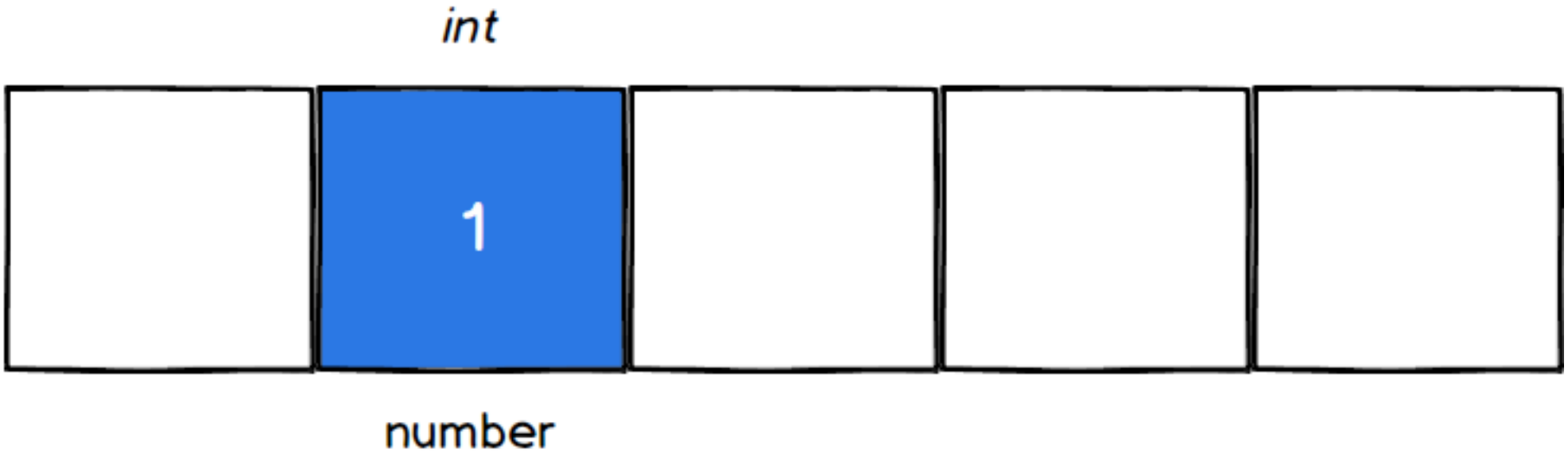
int number = 1;
number = "ABC"; .

dynamic typing (JavaScript)



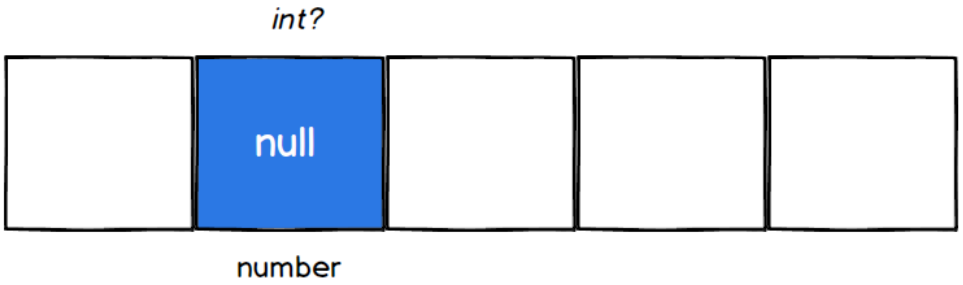
var number = 1;
number = "ABC";

Constants



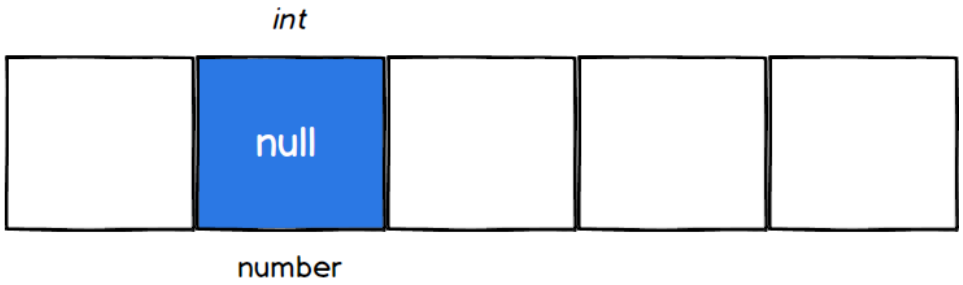

```
const int number = 1;
number =  2; .
```

Nullable Value Types




```
int? number = null;

if (number.HasValue) ...
```




```
*int number = null*;
```

1 + 1 = 2

0 + 1 = 1

NULL + 1 = NULL

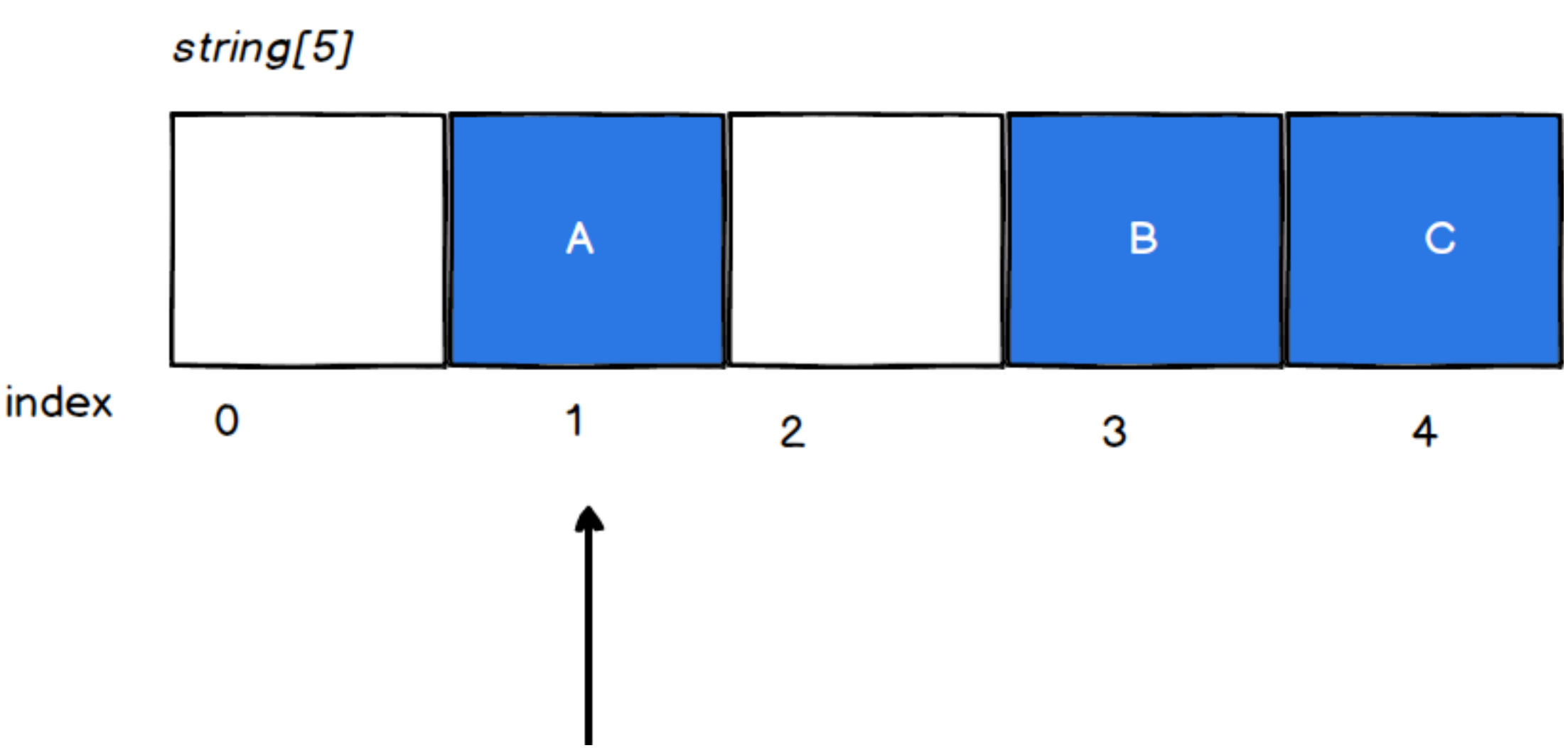
NULL * NULL = NULL

! NULL = NULL

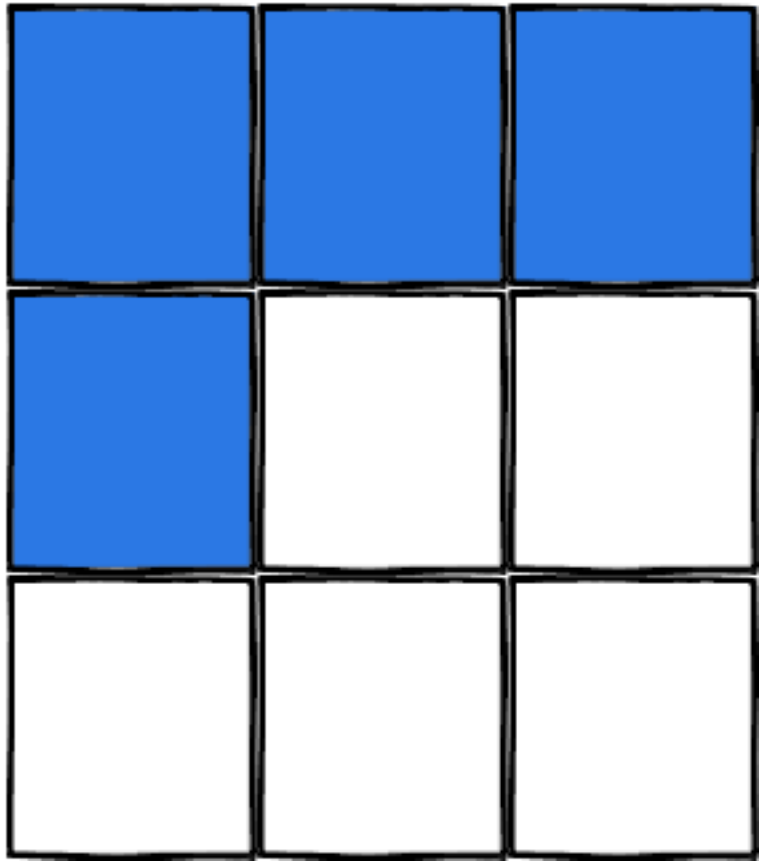
WHERE salary IS NULL

SQL: SELECT SUM(salary) FROM Employees

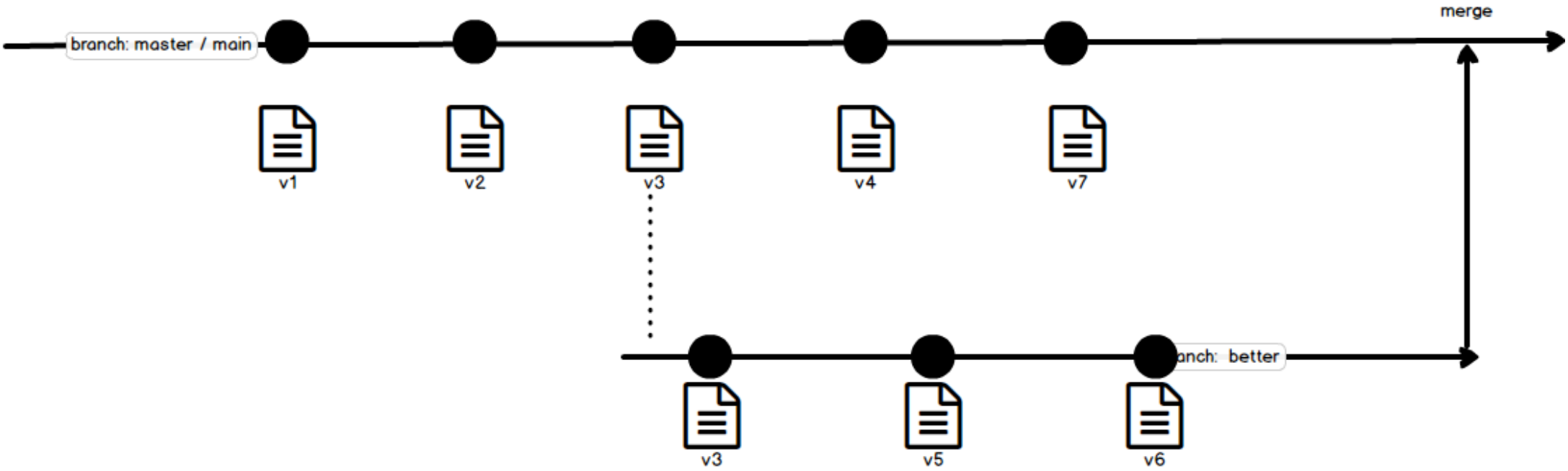
SQL: SELECT AVG(ISNULL(salary, 0)) FROM Employees


string[5]
A
B
C
index
0
1
2
3
4

board[wiersz, kolumna]

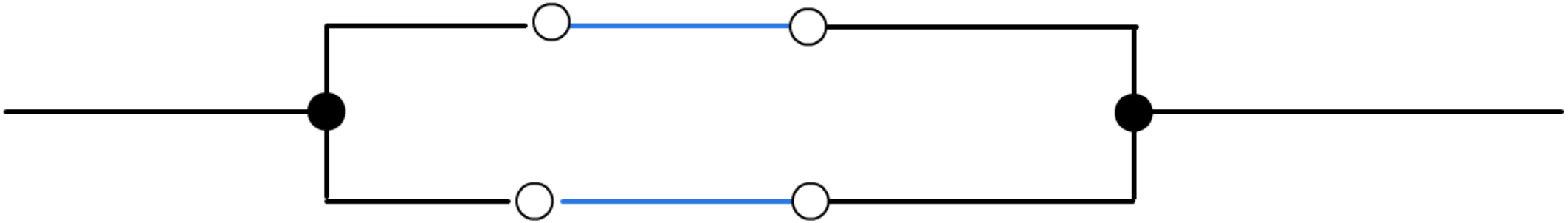


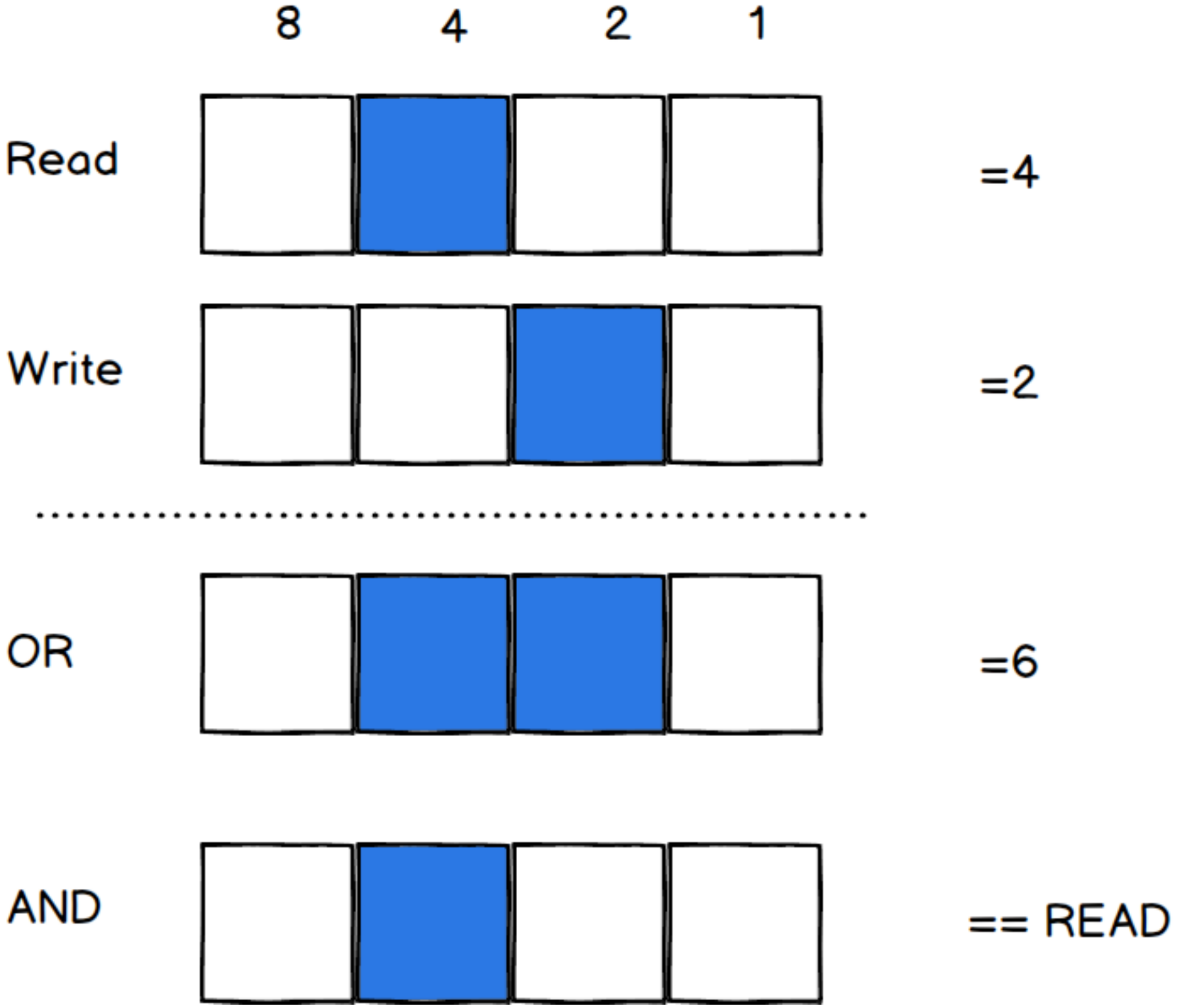
GIT GitHub / GitLab

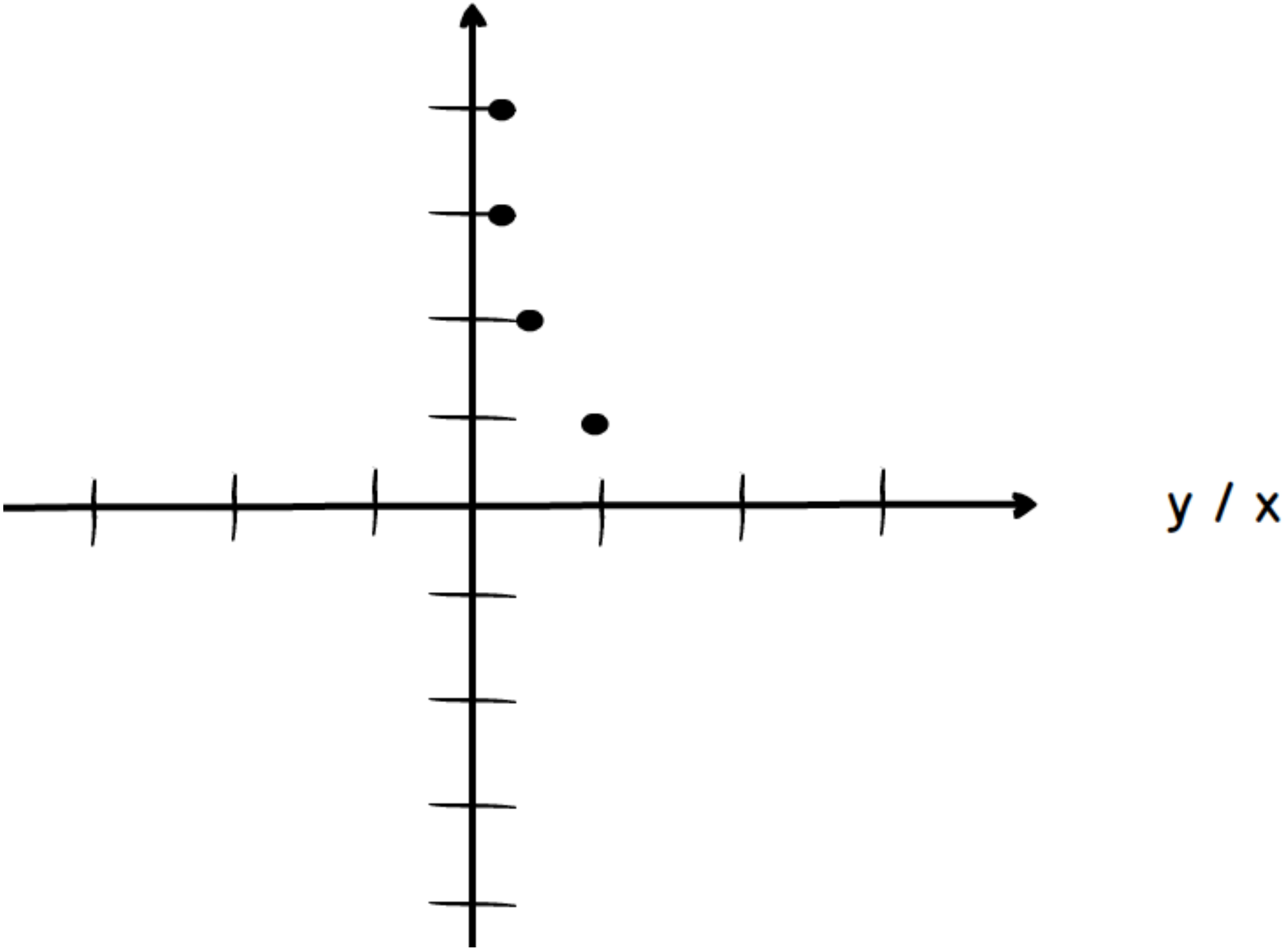


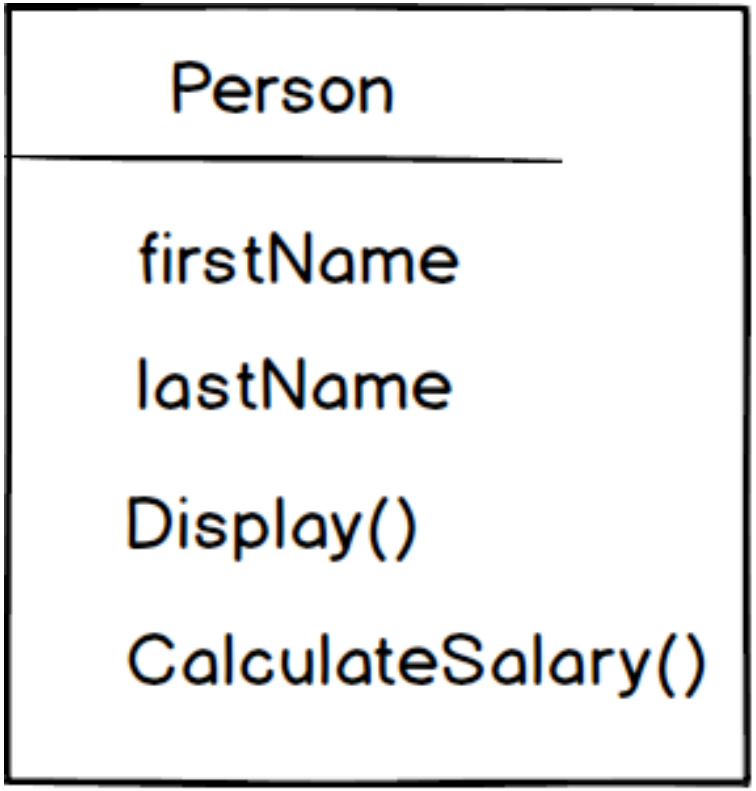
AND

OR

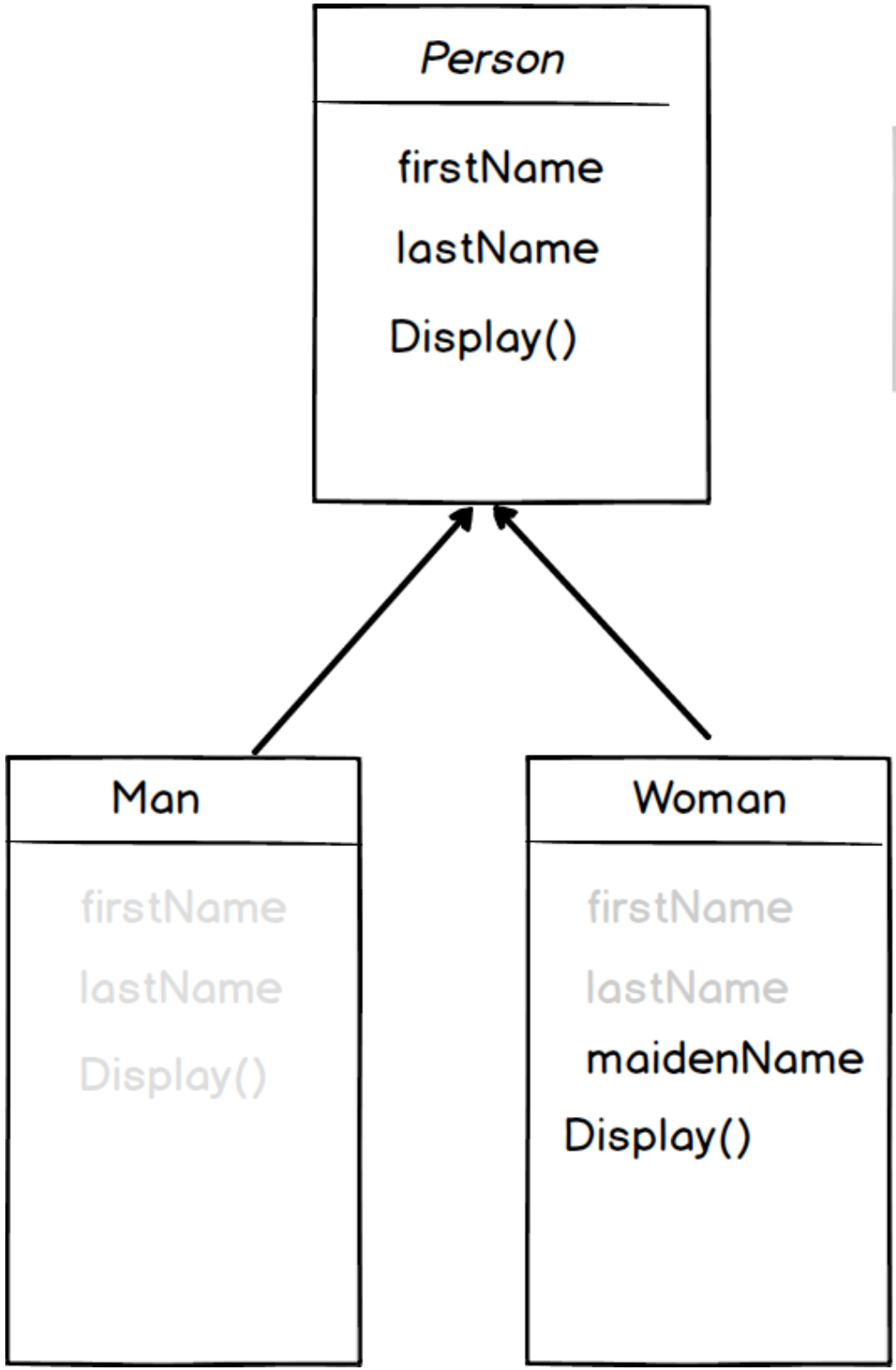



8
4
2
1
Read
=4
Write
=2
OR
=6
AND
== READ

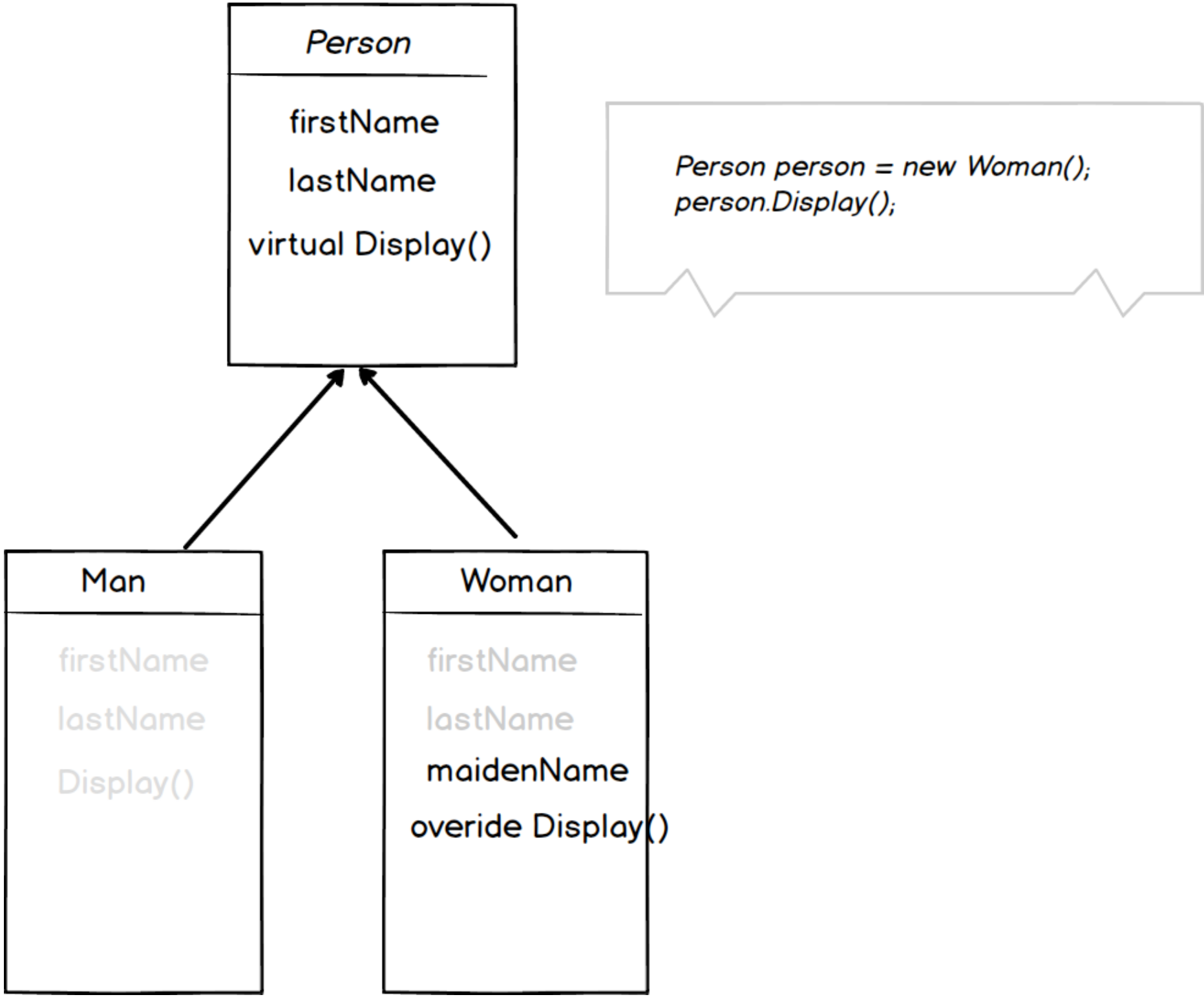

y / x




```
Person person = new Person();
person.FirstName = "John";
person.LastName = "Smith";
person.Display();
```




```
Woman person = new Woman();
person.Display();
```


Person
firstName
lastName
virtual Display()
Person person = new Woman();
person.Display();
Man
firstName
lastName
Display()
Woman
firstName
lastName
maidenName
overide Display()